

<110> Rosen et al.

<120> 31 Human Secreted Proteins

<130> PZ033P1

<140> Unassigned

<141> 2000-03-20

<150> 60/101,546

<151> 1998-09-23

<150> 60/102,895

<151> 1998-10-02

<160> 140

<170> PatentIn Ver. 2.0

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<211> 733

<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

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<210> 11

<211> 2007

<212> DNA

<213> Homo sapiens

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2007

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<212> DNA

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<210> 16
 <211> 2409
 <212> DNA
 <213> Homo sapiens

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<210> 17
 <211> 1590
 <212> DNA
 <213> Homo sapiens

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<210> 18
 <211> 1567
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (36)
 <223> n equals a,t,g, or c.

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<210> 19
 <211> 3430
 <212> DNA
 <213> Homo sapiens

<400> 19						
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<210> 20

<211> 1529

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1505)

<223> n equals a,t,g, or c

<400> 20

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<210> 21

<211> 2425

<212> DNA

<213> Homo sapiens

<220>
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 <222> (854)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (858)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1155)
 <223> n equals a,t,g, or c

<220>
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 <222> (1253)
 <223> n equals a,t,g, or c

<220>
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 <222> (2197)
 <223> n equals a,t,g, or c

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<210> 22

<211> 1971

<212> DNA

<213> Homo sapiens

<400> 22

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<210> 23

<211> 1130

<212> DNA

<213> Homo sapiens

<400> 23

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<210> 24
 <211> 1438
 <212> DNA
 <213> Homo sapiens

<400> 24						
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<210> 25
 <211> 916
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (499)

<223> n equals a,t,g, or c

<400> 25

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<210> 26

<211> 2094

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (2078)

<223> n equals a,t,g, or c

<400> 26

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<210> 27
 <211> 2076
 <212> DNA
 <213> Homo sapiens

<400> 27						
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 <211> 1378
 <212> DNA
 <213> Homo sapiens

<400> 28

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 <211> 2511
 <212> DNA
 <213> Homo sapiens

<400> 33

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<211> 1684

<212> DNA

<213> Homo sapiens

<400> 34

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<211> 1815

<212> DNA

<213> Homo sapiens

<400> 36

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<210> 37

<211> 1466

<212> DNA

<213> Homo sapiens

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<211> 1126

<212> DNA

<213> Homo sapiens

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<210> 39

<211> 2558

<212> DNA

<213> Homo sapiens

<400> 39

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<210> 40
<211> 1939
<212> DNA
<213> Homo sapiens
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<212> DNA
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<210> 42
 <211> 1897
 <212> DNA
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<220>
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 <223> n equals a,t,g, or c

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<210> 43
 <211> 1796
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (417)
 <223> n equals a,t,g, or c

<400> 43						
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cttcaacatg	atcctggggag	gaatcgtggg	ggtgctgggt	ttcacagggg	ttgtgtgggc	300
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<210> 44
 <211> 2136
 <212> DNA
 <213> Homo sapiens

<400> 44						
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ggacatttcc	aaatggaaca	accgcgtagt	gagcaacctg	ctctattacc	agaccaacta	240
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attctcagcc	aacctacagc	catgatcttt	agcagagtga	tatcaccatg	acttcacaga	2040
catggtctag	aatctgtacc	cttaccacac	tatgaagaat	aaaattgatt	aaaggttaaa	2100
aaaaaaaawaa	aaaaamwagg	ggggcccggt	wcccg			2136

<210> 45

<211> 2081

<212> DNA

<213> Homo sapiens

<400> 45

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gccatgatcc	tgcaactcaa	tcccagttag	aactgcacct	ggacaataga	aagaccagaa	300
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<210> 46
 <211> 1135
 <212> DNA
 <213> Homo sapiens

<400> 46						
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aactggttct	aagtcaaaag	gggtcagcct	gcttcagaac	ccccccacag	tgggggtggc	360
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<210> 47
 <211> 1227
 <212> DNA
 <213> Homo sapiens

<400> 47						
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ccttccgggc cctgcagggc tgtggggctg tgggggaccg ggggtctgtt gcactgtacc 480
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ccccccacca aaaaaaaaaa aaaaaaa 1227

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<210> 48
 <211> 41
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (41)
 <223> Xaa equals stop translation

<400> 48
 Met Pro Leu Gln Pro Trp Asp Thr Phe Met Ile Leu Gly Leu Tyr Phe
 1 5 10 15
 Leu Val Ser Gly Met Thr Ser Asp Ser Ala Gly Gln Gly Lys Leu Asn
 20 25 30
 Ser Val Gln Asp Gly His His Trp Xaa
 35 40

<210> 49
 <211> 294
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (294)
 <223> Xaa equals stop translation

<400> 49
 Met Val Ile Phe Thr Leu Ser Val Ser Met Leu Leu Arg Tyr Ser His
 1 5 10 15
 His Gln Ile Phe Val Phe Ile Ala Pro Leu Leu Thr Val Ile Leu Ala
 20 25 30
 Leu Val Gly Met Glu Ala Ile Met Ser Glu Phe Phe Asn Asp Thr Thr
 35 40 45
 Thr Ala Phe Tyr Ile Ile Leu Ile Val Trp Leu Ala Asp Gln Tyr Asp
 50 55 60

Ala Ile Cys Cys His Thr Ser Thr Ser Lys Arg His Trp Leu Arg Phe
 65 70 75 80
 Phe Tyr Leu Tyr His Phe Ala Phe Tyr Ala Tyr His Tyr Arg Phe Asn
 85 90 95
 Gly Gln Tyr Ser Ser Leu Ala Leu Val Thr Ser Trp Leu Phe Ile Gln
 100 105 110
 His Ser Met Ile Tyr Phe Phe His His Tyr Glu Leu Pro Ala Ile Leu
 115 120 125
 Gln Gln Val Arg Ile Gln Glu Met Leu Leu Gln Ala Pro Pro Leu Gly
 130 135 140
 Pro Gly Thr Pro Thr Ala Leu Pro Asp Asp Met Asn Asn Asn Ser Gly
 145 150 155 160
 Ala Pro Ala Thr Ala Pro Asp Ser Ala Gly Gln Pro Pro Ala Leu Gly
 165 170 175
 Pro Val Ser Pro Gly Ala Ser Gly Ser Pro Gly Pro Val Ala Ala Ala
 180 185 190
 Pro Ser Ser Leu Val Ala Ala Ala Ser Val Ala Ala Ala Ala Gly
 195 200 205
 Gly Asp Leu Gly Trp Met Ala Glu Thr Ala Ala Ile Ile Thr Asp Ala
 210 215 220
 Ser Phe Leu Ser Gly Leu Ser Ala Ser Leu Leu Glu Arg Arg Pro Ala
 225 230 235 240
 Ser Pro Leu Gly Pro Ala Gly Gly Leu Pro His Ala Pro Gln Asp Ser
 245 250 255
 Val Pro Pro Ser Asp Ser Ala Ala Ser Asp Thr Thr Pro Leu Gly Ala
 260 265 270
 Ala Val Gly Gly Pro Ser Pro Ala Ser Met Ala Pro Thr Glu Ala Pro
 275 280 285
 Ser Glu Val Gly Ser Xaa
 290

<210> 50
 <211> 119
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (119)
 <223> Xaa equals stop translation

<400> 50
 Met Ala Gly Pro Arg Gly Leu Leu Pro Leu Cys Leu Leu Ala Phe Cys

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 Leu Ala Gly Phe Ser Phe Val Arg Gly Gln Val Leu Phe Lys Gly Cys
 20 25 30
 Asp Val Lys Thr Thr Phe Val Thr His Val Pro Cys Thr Ser Cys Ala
 35 40 45
 Ala Ile Lys Lys Gln Thr Cys Pro Ser Gly Trp Leu Arg Glu Leu Pro
 50 55 60
 Asp Gln Ile Thr Gln Asp Cys Arg Cys Gly Pro Pro Leu Ser Leu Pro
 65 70 75 80
 Val Ser Arg Ser Ile Leu Trp Gly Gly Arg Asp Ser Gly Ser Leu Thr
 85 90 95
 Gly Pro Gln Asn Glu Glu Lys His Ser Leu Ile His Ala Pro Val Ala
 100 105 110
 Pro Pro Gly Trp Trp Arg Xaa
 115

<210> 51
 <211> 77
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (77)
 <223> Xaa equals stop translation

<400> 51
 Met Thr Ser Ile Phe Thr Ser Leu Ala Val Val Thr Gly Val Leu Ile
 1 5 10 15
 Leu Val Gly Cys Cys Ile Thr Pro Ser Val His Gly Leu Val Gln Arg
 20 25 30
 Leu Thr Glu Thr Ala Leu Thr Lys Thr Ser Leu Asn Ser Ser Pro Pro
 35 40 45
 Tyr Ser Asp Lys Leu Pro Leu Leu Asp His Gln Glu Glu Gln Gln Ser
 50 55 60
 Gln Ile Met Phe Glu Lys Phe Glu Glu Gly Lys Leu Xaa
 65 70 75

<210> 52
 <211> 70
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (70)

<223> Xaa equals stop translation

<400> 52

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Met Trp Ser Leu Val Ser Val Ser Val Leu Val Leu Thr Cys Ala Val
 1              5              10              15

Asp Val Ala Glu Gly Leu Gly Trp Gly Glu Val Ser Thr Gly Gly Ile
          20              25              30

Glu Leu Pro Arg His Met Val Leu Val Val Leu Val Glu Arg Glu Phe
          35              40              45

Pro Glu Val Ser Asp Met Leu Pro Leu Lys Pro Phe Pro Gln Gly Asp
          50              55              60

Arg Tyr Val Ser Arg Xaa
65              70

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<210> 53

<211> 320

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (320)

<223> Xaa equals stop translation

<400> 53

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Met Ser Ser Asn Lys Glu Gln Arg Ser Ala Val Phe Val Ile Leu Phe
 1              5              10              15

Ala Leu Ile Thr Ile Leu Ile Leu Tyr Ser Ser Asn Ser Ala Asn Glu
          20              25              30

Val Phe His Tyr Gly Ser Leu Arg Gly Arg Ser Arg Arg Pro Val Asn
          35              40              45

Leu Lys Lys Trp Ser Ile Thr Asp Gly Tyr Val Pro Ile Leu Gly Asn
          50              55              60

Lys Thr Leu Pro Ser Arg Cys His Gln Cys Val Ile Val Ser Ser Ser
          65              70              75              80

Ser His Leu Leu Gly Thr Lys Leu Gly Pro Glu Ile Glu Arg Ala Glu
          85              90              95

Cys Thr Ile Arg Met Asn Asp Ala Pro Thr Thr Gly Tyr Ser Ala Asp
          100              105              110

Val Gly Asn Lys Thr Thr Tyr Arg Val Val Ala His Ser Ser Val Phe
          115              120              125

Arg Val Leu Arg Arg Pro Gln Glu Phe Val Asn Arg Thr Pro Glu Thr
          130              135              140

Val Phe Ile Phe Trp Gly Pro Pro Ser Lys Met Gln Lys Pro Gln Gly
          145              150              155              160

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Ser Leu Val Arg Val Ile Gln Arg Ala Gly Leu Val Phe Pro Asn Met
 165 170 175
 Glu Ala Tyr Ala Val Ser Pro Gly Arg Met Arg Gln Phe Asp Asp Leu
 180 185 190
 Phe Arg Gly Glu Thr Gly Lys Asp Arg Glu Lys Ser His Ser Trp Leu
 195 200 205
 Ser Thr Gly Trp Phe Thr Met Val Ile Ala Val Glu Leu Cys Asp His
 210 215 220
 Val His Val Tyr Gly Met Val Pro Pro Asn Tyr Cys Ser Gln Arg Pro
 225 230 235 240
 Arg Leu Gln Arg Met Pro Tyr His Tyr Tyr Glu Pro Lys Gly Pro Asp
 245 250 255
 Glu Cys Val Thr Tyr Ile Gln Asn Glu His Ser Arg Lys Gly Asn His
 260 265 270
 His Arg Phe Ile Arg Glu Lys Gly Leu Leu Ile Val Gly Pro Ala Val
 275 280 285
 Trp His His Leu Leu Pro Pro Leu Leu Asp Leu Gly His Pro Ala Cys
 290 295 300
 Gly Thr Ser Gly Gly Ser Glu Glu Lys Gln Pro Pro Pro Ser Arg Xaa
 305 310 315 320

<210> 54

<211> 97

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (97)

<223> Xaa equals stop translation

<400> 54

Met Ala Ala Ser Leu Gly Gln Val Leu Ala Leu Val Leu Val Ala Ala
 1 5 10 15

Leu Trp Gly Gly Thr Gln Pro Leu Leu Lys Arg Ala Ser Ala Gly Leu
 20 25 30

Gln Arg Val His Glu Pro Thr Trp Ala Gln Gln Leu Leu Gln Glu Met
 35 40 45

Lys Thr Leu Phe Leu Asn Thr Glu Tyr Leu Met Pro Phe Leu Leu Asn
 50 55 60

Gln Cys Gly Ser Leu Leu Tyr Tyr Leu Thr Leu Ala Ser Thr Gly Trp

65		70		75		80									
Ser	Gln	Thr	Ser	Glu	Phe	Arg	Ser	Ser	Cys	Trp	Asn	Pro	Gly	Lys	His
				85					90					95	

Xaa

<210> 55
 <211> 373
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (81)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (162)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (314)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (315)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (373)
 <223> Xaa equals stop translation

<400> 55
 Met Ala Trp Thr Lys Tyr Gln Leu Phe Leu Ala Gly Leu Met Leu Val
 1 5 10 15
 Thr Gly Ser Ile Asn Thr Leu Ser Ala Lys Trp Ala Asp Asn Phe Met
 20 25 30
 Ala Glu Gly Cys Gly Gly Ser Lys Glu His Ser Phe Gln His Pro Phe
 35 40 45
 Leu Gln Ala Val Gly Met Phe Leu Gly Glu Phe Ser Cys Leu Ala Ala
 50 55 60
 Phe Tyr Leu Leu Arg Cys Arg Ala Ala Gly Gln Ser Asp Ser Ser Val
 65 70 75 80
 Xaa Pro Gln Gln Pro Phe Asn Pro Leu Leu Phe Leu Pro Pro Ala Leu
 85 90 95
 Cys Asp Met Thr Gly Thr Ser Leu Met Tyr Val Ala Leu Asn Met Thr

100					105					110					
Ser	Ala	Ser	Ser	Phe	Gln	Met	Leu	Arg	Gly	Ala	Ser	Asp	His	Ile	His
		115					120					125			
Trp	Pro	Val	Leu	Gly	Gly	Leu	Pro	Gly	Pro	Glu	Ala	Gly	Ala	Glu	Pro
	130					135					140				
Val	Ala	Gly	His	Pro	Ser	His	His	Arg	Gly	Ala	Gly	Gly	Arg	Gly	Pro
145						150					155				160
Gly	Xaa	Pro	Pro	Glu	Gln	Ala	Arg	Gln	Ser	Ser	Thr	Ser	Phe	Ser	Glu
				165					170					175	
Val	Ile	Thr	Gly	Asp	Leu	Leu	Ile	Ile	Met	Ala	Gln	Ile	Ile	Val	Ala
			180						185					190	
Ile	Gln	Met	Val	Leu	Glu	Glu	Lys	Phe	Val	Tyr	Lys	His	Asn	Val	His
		195					200					205			
Pro	Leu	Arg	Ala	Val	Gly	Thr	Glu	Gly	Leu	Phe	Gly	Phe	Val	Ile	Leu
	210					215					220				
Ser	Leu	Leu	Leu	Val	Pro	Met	Tyr	Tyr	Ile	Pro	Ala	Gly	Ser	Phe	Ser
225						230					235				240
Gly	Asn	Pro	Arg	Gly	Thr	Leu	Glu	Asp	Ala	Leu	Asp	Ala	Phe	Cys	Gln
				245					250					255	
Val	Gly	Gln	Gln	Pro	Leu	Ile	Ala	Val	Ala	Leu	Leu	Gly	Asn	Ile	Ser
			260					265						270	
Ser	Ile	Ala	Phe	Phe	Asn	Phe	Ala	Gly	Ile	Ser	Val	Thr	Lys	Glu	Leu
	275						280						285		
Ser	Ala	Thr	Thr	Arg	Met	Val	Leu	Asp	Ser	Leu	Arg	Thr	Val	Val	Ile
	290					295					300				
Trp	Ala	Leu	Ser	Leu	Ala	Leu	Gly	Trp	Xaa	Xaa	Phe	His	Ala	Leu	Gln
305						310					315				320
Ile	Leu	Gly	Phe	Leu	Ile	Leu	Leu	Ile	Gly	Thr	Ala	Leu	Tyr	Asn	Gly
				325					330					335	
Leu	His	Arg	Pro	Leu	Leu	Gly	Arg	Leu	Ser	Arg	Gly	Arg	Pro	Leu	Ala
			340					345					350		
Glu	Glu	Ser	Glu	Gln	Glu	Arg	Leu	Leu	Gly	Gly	Thr	Arg	Thr	Pro	Ile
		355					360					365			
Asn	Asp	Ala	Ser	Xaa											
	370														

<210> 56

<211> 491

<212> PRT

<213> Homo sapiens

<400> 56

Met	Glu	Asn	Glu	Glu	Ser	Asp	Val	Lys	Pro	Pro	Asp	Trp	Pro	Asn	Pro
1				5					10					15	
Met	Asn	Ala	Thr	Ser	Gln	Phe	Pro	Gln	Pro	Gln	His	Phe	Asp	Ser	Phe
			20					25					30		
Gly	Leu	Arg	Leu	Pro	Arg	Asp	Ile	Thr	Glu	Leu	Pro	Glu	Trp	Ser	Glu
		35					40					45			
Gly	Tyr	Pro	Phe	Tyr	Met	Ala	Met	Gly	Phe	Pro	Gly	Tyr	Asp	Leu	Ser
	50					55					60				
Ala	Asp	Asp	Ile	Ala	Gly	Lys	Phe	Gln	Phe	Ser	Arg	Gly	Met	Arg	Arg
65						70				75					80
Ser	Tyr	Asp	Ala	Gly	Phe	Lys	Leu	Met	Val	Val	Glu	Tyr	Ala	Glu	Ser
				85					90					95	
Thr	Asn	Asn	Cys	Gln	Ala	Ala	Lys	Gln	Phe	Gly	Val	Leu	Glu	Lys	Asn
			100					105					110		
Val	Arg	Asp	Trp	Arg	Lys	Val	Lys	Pro	Gln	Leu	Gln	Asn	Ala	His	Ala
		115					120					125			
Met	Arg	Arg	Ala	Phe	Arg	Gly	Pro	Lys	Asn	Gly	Arg	Phe	Ala	Leu	Val
	130					135					140				
Asp	Gln	Arg	Val	Ala	Glu	Tyr	Val	Arg	Tyr	Met	Gln	Ala	Lys	Gly	Asp
145					150					155					160
Pro	Ile	Thr	Arg	Glu	Ala	Met	Gln	Leu	Lys	Ala	Leu	Glu	Ile	Ala	Gln
				165					170					175	
Glu	Met	Asn	Ile	Pro	Glu	Lys	Gly	Phe	Lys	Ala	Ser	Leu	Gly	Trp	Cys
			180					185					190		
Arg	Arg	Met	Met	Arg	Arg	Tyr	Asp	Leu	Ser	Leu	Arg	His	Lys	Val	Pro
		195					200					205			
Val	Pro	Gln	His	Leu	Pro	Glu	Asp	Leu	Thr	Glu	Lys	Leu	Val	Thr	Tyr
	210					215					220				
Gln	Arg	Ser	Val	Leu	Ala	Leu	Arg	Arg	Ala	His	Asp	Tyr	Glu	Val	Ala
225					230					235					240
Gln	Met	Gly	Asn	Ala	Asp	Glu	Thr	Pro	Ile	Cys	Leu	Glu	Val	Pro	Ser
				245					250					255	
Arg	Val	Thr	Val	Asp	Asn	Gln	Gly	Glu	Lys	Pro	Val	Leu	Val	Lys	Thr
			260					265					270		
Pro	Gly	Arg	Glu	Lys	Leu	Lys	Ile	Thr	Ala	Met	Leu	Gly	Val	Leu	Ala
	275						280					285			
Asp	Gly	Arg	Lys	Leu	Pro	Pro	Tyr	Ile	Ile	Leu	Arg	Gly	Thr	Tyr	Ile
	290					295					300				
Pro	Pro	Gly	Lys	Phe	Pro	Ser	Gly	Met	Glu	Ile	Arg	Cys	His	Arg	Tyr

305 310 315 320
 Gly Trp Met Thr Glu Asp Leu Met Gln Asp Trp Leu Glu Val Val Trp
 325 330 335
 Arg Arg Arg Thr Gly Ala Val Pro Lys Gln Arg Gly Met Leu Ile Leu
 340 345 350
 Asn Gly Phe Arg Gly His Ala Thr Asp Ser Val Lys Asn Ser Met Glu
 355 360 365
 Ser Met Asn Thr Asp Met Val Ile Ile Pro Gly Gly Leu Thr Ser Gln
 370 375 380
 Leu Gln Val Leu Asp Val Val Val Tyr Lys Pro Leu Asn Asp Ser Val
 385 390 395 400
 Arg Ala Gln Tyr Ser Asn Trp Leu Leu Ala Gly Asn Leu Ala Leu Ser
 405 410 415
 Pro Thr Gly Asn Ala Lys Lys Pro Pro Leu Gly Leu Phe Leu Glu Trp
 420 425 430
 Val Met Val Ala Trp Asn Ser Ile Ser Ser Glu Ser Ile Val Gln Gly
 435 440 445
 Phe Lys Asn Cys His Ile Ser Ser Asn Leu Glu Glu Glu Asp Asp Val
 450 455 460
 Leu Trp Glu Ile Glu Ser Glu Leu Pro Gly Gly Gly Glu Pro Pro Lys
 465 470 475 480
 Asp Cys Asp Thr Glu Ser Met Ala Glu Ser Asn
 485 490

<210> 57
 <211> 188
 <212> PRT
 <213> Homo sapiens

<400> 57
 Met Asp Val Asn Ile Ala Pro Leu Arg Ala Trp Asp Asp Phe Phe Pro
 1 5 10 15
 Gly Ser Asp Arg Phe Ala Arg Pro Asp Phe Arg Asp Ile Ser Lys Trp
 20 25 30
 Asn Asn Arg Val Val Ser Asn Leu Leu Tyr Tyr Gln Thr Asn Tyr Leu
 35 40 45
 Val Val Ala Ala Met Met Ile Ser Ile Val Gly Phe Leu Ser Pro Phe
 50 55 60
 Asn Met Ile Leu Gly Gly Ile Val Val Val Leu Val Phe Thr Gly Phe
 65 70 75 80
 Val Trp Ala Ala His Asn Lys Asp Val Leu Arg Arg Met Lys Lys Arg
 85 90 95

Tyr Pro Thr Thr Phe Val Met Val Val Met Leu Ala Ser Tyr Phe Leu
 100 105 110
 Ile Ser Met Phe Gly Gly Val Met Val Phe Val Phe Gly Ile Thr Phe
 115 120 125
 Pro Leu Leu Leu Met Phe Ile His Ala Ser Leu Arg Leu Arg Asn Leu
 130 135 140
 Lys Asn Lys Leu Glu Asn Lys Met Glu Gly Ile Gly Leu Lys Arg Thr
 145 150 155 160
 Pro Met Gly Ile Val Leu Asp Ala Leu Glu Gln Gln Glu Glu Gly Ile
 165 170 175
 Asn Arg Leu Thr Asp Tyr Ile Ser Lys Val Lys Glu
 180 185

<210> 58
 <211> 41
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (41)
 <223> Xaa equals stop translation

<400> 58
 Met Met Gly Glu Arg Cys Leu Ala Leu Asn Val Leu Phe Ala Gly Val
 1 5 10 15
 Ala Ser Cys Gln Arg Leu Phe Ser Arg Asn Leu Ser Cys His Cys Phe
 20 25 30
 Gly Asp Tyr Cys Asp Pro Ser Leu Xaa
 35 40

<210> 59
 <211> 315
 <212> PRT
 <213> Homo sapiens

<400> 59
 Met Pro Leu Thr Leu Leu Ile Leu Ser Cys Leu Ala Glu Leu Thr Met
 1 5 10 15
 Ala Glu Ala Glu Gly Asn Ala Ser Cys Thr Val Ser Leu Gly Gly Ala
 20 25 30
 Asn Met Ala Glu Thr His Lys Ala Met Ile Leu Gln Leu Asn Pro Ser
 35 40 45
 Glu Asn Cys Thr Trp Thr Ile Glu Arg Pro Glu Asn Lys Ser Ile Arg
 50 55 60

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Ile Ile Phe Ser Tyr Val Gln Leu Asp Pro Asp Gly Ser Cys Glu Ser
65              70              75              80

Glu Asn Ile Lys Val Phe Asp Gly Thr Ser Ser Asn Gly Pro Leu Leu
85              90              95

Gly Gln Val Cys Ser Lys Asn Asp Tyr Val Pro Val Phe Glu Ser Ser
100             105             110

Ser Ser Thr Leu Thr Phe Gln Ile Val Thr Asp Ser Ala Arg Ile Gln
115             120             125

Arg Thr Val Phe Val Phe Tyr Tyr Phe Phe Ser Pro Asn Ile Ser Ile
130             135             140

Pro Asn Cys Gly Gly Tyr Leu Asp Thr Leu Glu Gly Ser Phe Thr Ser
145             150             155             160

Pro Asn Tyr Pro Lys Pro His Pro Glu Leu Ala Tyr Cys Val Trp His
165             170             175

Ile Gln Val Glu Lys Asp Tyr Lys Ile Lys Leu Asn Phe Lys Glu Ile
180             185             190

Phe Leu Glu Ile Asp Lys Gln Cys Lys Phe Asp Phe Leu Ala Ile Tyr
195             200             205

Asp Gly Pro Ser Thr Asn Ser Gly Leu Ile Gly Gln Val Cys Gly Arg
210             215             220

Val Thr Pro Thr Phe Glu Ser Ser Ser Asn Ser Leu Thr Val Val Leu
225             230             235             240

Ser Thr Asp Tyr Ala Asn Ser Tyr Arg Gly Phe Ser Ala Ser Tyr Thr
245             250             255

Ser Ile Tyr Ala Glu Asn Ile Asn Thr Thr Ser Leu Thr Cys Ser Ser
260             265             270

Asp Arg Met Arg Val Ile Ile Ser Lys Ser Tyr Leu Glu Ala Phe Asn
275             280             285

Ser Asn Gly Asn Asn Leu Gln Leu Lys Asp Pro Thr Trp Gln Thr Lys
290             295             300

Ile Ile Lys Cys Cys Gly Ile Phe Cys Pro Ser
305             310             315

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<210> 60
<211> 327
<212> PRT
<213> Homo sapiens

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<400> 60
Met Ala Glu Leu Pro Gly Pro Phe Leu Cys Gly Ala Leu Leu Gly Phe
1              5              10             15

Leu Cys Leu Ser Gly Leu Ala Val Glu Val Lys Val Pro Thr Glu Pro

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20				25				30							
Leu	Ser	Thr	Pro	Leu	Gly	Lys	Thr	Ala	Glu	Leu	Thr	Cys	Thr	Tyr	Ser
		35					40					45			
Thr	Ser	Val	Gly	Asp	Ser	Phe	Ala	Leu	Glu	Trp	Ser	Phe	Val	Gln	Pro
		50				55					60				
Gly	Lys	Pro	Ile	Ser	Glu	Ser	His	Pro	Ile	Leu	Tyr	Phe	Thr	Asn	Gly
					70					75					80
His	Leu	Tyr	Pro	Thr	Gly	Ser	Lys	Ser	Lys	Arg	Val	Ser	Leu	Leu	Gln
					85				90					95	
Asn	Pro	Pro	Thr	Val	Gly	Val	Ala	Thr	Leu	Lys	Leu	Thr	Asp	Val	His
			100						105				110		
Pro	Ser	Asp	Thr	Gly	Thr	Tyr	Leu	Cys	Gln	Val	Asn	Asn	Pro	Pro	Asp
			115				120					125			
Phe	Tyr	Thr	Asn	Gly	Leu	Gly	Leu	Ile	Asn	Leu	Thr	Val	Leu	Val	Pro
			130			135					140				
Pro	Ser	Asn	Pro	Leu	Cys	Ser	Gln	Ser	Gly	Gln	Thr	Ser	Val	Gly	Gly
					150					155					160
Ser	Thr	Ala	Leu	Arg	Cys	Ser	Ser	Ser	Glu	Gly	Ala	Pro	Lys	Pro	Val
					165				170					175	
Tyr	Asn	Trp	Val	Arg	Leu	Gly	Thr	Phe	Pro	Thr	Pro	Ser	Pro	Gly	Ser
			180						185				190		
Met	Val	Gln	Asp	Glu	Val	Ser	Gly	Gln	Leu	Ile	Leu	Thr	Asn	Leu	Ser
			195				200					205			
Leu	Thr	Ser	Ser	Gly	Thr	Tyr	Arg	Cys	Val	Ala	Thr	Asn	Gln	Met	Gly
						215					220				
Ser	Ala	Ser	Cys	Glu	Leu	Thr	Leu	Ser	Val	Thr	Glu	Pro	Pro	Gln	Gly
					230					235					240
Arg	Val	Ala	Gly	Ala	Leu	Ile	Gly	Val	Leu	Leu	Gly	Val	Leu	Leu	Leu
					245				250					255	
Ser	Val	Ala	Ala	Phe	Cys	Leu	Val	Arg	Phe	Gln	Lys	Glu	Arg	Gly	Lys
			260						265				270		
Lys	Pro	Lys	Glu	Thr	Tyr	Gly	Gly	Ser	Asp	Leu	Arg	Glu	Asp	Ala	Ile
			275				280						285		
Ala	Pro	Gly	Ile	Ser	Glu	His	Thr	Cys	Met	Arg	Ala	Asp	Ser	Ser	Lys
						295					300				
Gly	Phe	Leu	Glu	Arg	Pro	Ser	Ser	Ala	Ser	Thr	Val	Thr	Thr	Thr	Lys
					310					315					320
Ser	Lys	Leu	Pro	Met	Val	Val									
					325										

<210> 61
 <211> 92
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (92)
 <223> Xaa equals stop translation

<400> 61
 Met Pro Ala Leu Arg His Pro Ala Trp Pro Cys Ile Phe Ser Leu Leu
 1 5 10 15
 Met Gly Ile Ser Asn Gly Tyr Phe Gly Ser Val Pro Met Ile Leu Ala
 20 25 30
 Ala Gly Lys Val Ser Pro Lys Gln Arg Glu Leu Ala Gly Asn Thr Met
 35 40 45
 Thr Val Ser Tyr Met Ser Gly Leu Thr Leu Gly Ser Ala Val Ala Tyr
 50 55 60
 Cys Thr Tyr Ser Leu Thr Arg Asp Ala His Gly Ser Cys Leu His Ala
 65 70 75 80
 Ser Thr Ala Asn Gly Ser Ile Leu Ala Gly Leu Xaa
 85 90

<210> 62
 <211> 58
 <212> PRT
 <213> Homo sapiens

<400> 62
 Met Glu Gly Ile Ile Thr Phe Leu Ile Leu Pro Leu Pro Cys Ser Pro
 1 5 10 15
 Gly Cys Pro Val Leu Thr Met Gln Lys Ala Val Ser Cys Thr Leu Glu
 20 25 30
 Val Ser Val Leu Leu Ser Trp Gly Leu Gly Tyr Ser Gly Ser Cys Leu
 35 40 45
 Ser Leu Val Pro Lys Ala Tyr Gln Val Ile
 50 55

<210> 63
 <211> 511
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (135)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 63

Met	Val	Lys	Ile	Leu	Val	Val	Thr	Val	Gln	Leu	Ile	Leu	Phe	Gly	Leu	1	5	10	15
Ser	Asn	Gln	Leu	Ala	Val	Thr	Phe	Arg	Glu	Glu	Asn	Thr	Ile	Ala	Phe	20	25	30	
Arg	His	Leu	Phe	Leu	Leu	Gly	Tyr	Ser	Asp	Gly	Ala	Asp	Asp	Thr	Phe	35	40	45	
Ala	Ala	Tyr	Thr	Arg	Glu	Gln	Leu	Tyr	Gln	Ala	Ile	Phe	His	Ala	Val	50	55	60	
Asp	Gln	Tyr	Leu	Ala	Leu	Pro	Asp	Val	Ser	Leu	Gly	Arg	Tyr	Ala	Tyr	65	70	75	80
Val	Arg	Gly	Gly	Gly	Asp	Pro	Trp	Thr	Asn	Gly	Ser	Gly	Leu	Ala	Leu	85	90	95	
Cys	Gln	Arg	Tyr	Tyr	His	Arg	Gly	His	Val	Asp	Pro	Ala	Asn	Asp	Thr	100	105	110	
Phe	Asp	Ile	Asp	Pro	Met	Val	Val	Thr	Asp	Cys	Ile	Gln	Val	Asp	Pro	115	120	125	
Pro	Glu	Arg	Pro	Pro	Pro	Xaa	Pro	Ser	Asp	Asp	Leu	Thr	Leu	Leu	Glu	130	135	140	
Ser	Ser	Ser	Ser	Tyr	Lys	Asn	Leu	Thr	Leu	Lys	Phe	His	Lys	Leu	Val	145	150	155	160
Asn	Val	Thr	Ile	His	Phe	Arg	Leu	Lys	Thr	Ile	Asn	Leu	Gln	Ser	Leu	165	170	175	
Ile	Asn	Asn	Glu	Ile	Pro	Asp	Cys	Tyr	Thr	Phe	Ser	Val	Leu	Ile	Thr	180	185	190	
Phe	Asp	Asn	Lys	Ala	His	Ser	Gly	Arg	Ile	Pro	Ile	Ser	Leu	Glu	Thr	195	200	205	
Gln	Ala	His	Ile	Gln	Glu	Cys	Lys	His	Pro	Ser	Val	Phe	Gln	His	Gly	210	215	220	
Asp	Asn	Ser	Phe	Arg	Leu	Leu	Phe	Asp	Val	Val	Val	Ile	Leu	Thr	Cys	225	230	235	240
Ser	Leu	Ser	Phe	Leu	Leu	Cys	Ala	Arg	Ser	Leu	Leu	Arg	Gly	Phe	Leu	245	250	255	
Leu	Gln	Asn	Glu	Phe	Val	Gly	Phe	Met	Trp	Arg	Gln	Arg	Gly	Arg	Val	260	265	270	
Ile	Ser	Leu	Trp	Glu	Arg	Leu	Glu	Phe	Val	Asn	Gly	Trp	Tyr	Ile	Leu	275	280	285	
Leu	Val	Thr	Ser	Asp	Val	Leu	Thr	Ile	Ser	Gly	Thr	Ile	Met	Lys	Ile	290	295	300	

Gly Ile Glu Ala Lys Asn Leu Ala Ser Tyr Asp Val Cys Ser Ile Leu
305 310 315 320

Leu Gly Thr Ser Thr Leu Leu Val Trp Val Gly Val Ile Arg Tyr Leu
325 330 335

Thr Phe Phe His Asn Tyr Asn Ile Leu Ile Ala Thr Leu Arg Val Ala
340 345 350

Leu Pro Ser Val Met Arg Phe Cys Cys Cys Val Ala Val Ile Tyr Leu
355 360 365

Gly Tyr Cys Phe Cys Gly Trp Ile Val Leu Gly Pro Tyr His Val Lys
370 375 380

Phe Arg Ser Leu Ser Met Val Ser Glu Cys Leu Phe Ser Leu Ile Asn
385 390 395 400

Gly Asp Asp Met Phe Val Thr Phe Ala Ala Met Gln Ala Gln Gln Gly
405 410 415

Arg Ser Ser Leu Val Trp Leu Phe Ser Gln Leu Tyr Leu Tyr Ser Phe
420 425 430

Ile Ser Leu Phe Ile Tyr Met Val Leu Ser Leu Phe Ile Ala Leu Ile
435 440 445

Thr Gly Ala Tyr Asp Thr Ile Lys His Pro Gly Gly Ala Gly Ala Glu
450 455 460

Glu Ser Glu Leu Gln Ala Tyr Ile Ala Gln Cys Gln Asp Ser Pro Thr
465 470 475 480

Ser Gly Lys Phe Arg Arg Gly Ser Ala Arg Ala Cys Ser Leu Leu Cys
485 490 495

Cys Cys Gly Arg Asp Pro Ser Glu Glu His Ser Leu Leu Val Asn
500 505 510

<210> 64

<211> 91

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (91)

<223> Xaa equals stop translation

<400> 64

Met Asn Trp Ser Phe Leu Cys Met Cys Leu Ala Cys Phe Pro Leu Asp
1 5 10 15

Leu Val Leu Gly Val Arg Tyr Ala Ile Glu Asp Cys Val Phe Leu Phe
20 25 30

His Leu Ser Pro Val Arg Gly Ala Leu Ile Leu Cys Pro Lys Leu Pro
35 40 45

Pro Trp Pro Trp Arg Cys Phe Cys Gly Leu Val Gly Phe Pro Cys Ala
 50 55 60

His Ala Cys Pro Leu Ser Asp Ser Gly Phe Ala Ser Pro Cys Gln Ser
 65 70 75 80

Val Pro Arg Leu Leu Thr Ala Leu Ala Arg Xaa
 85 90

<210> 65
 <211> 114
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (114)
 <223> Xaa equals stop translation

<400> 65
 Met Ala Ile Trp Val Val Phe Ile Tyr Trp Leu Leu Leu Val Phe Cys
 1 5 10 15

Glu His Ser Cys Ile Ser Phe Arg Val Asp Val Cys Ile His Phe Ser
 20 25 30

Cys Asn Lys Phe Tyr Leu Gly Val Glu Leu Leu Asp His Met Ala Ala
 35 40 45

Leu Leu Thr Leu Trp Gly Thr Ala Arg Leu Leu Phe Lys Val Ser Ala
 50 55 60

Pro Cys Ser Leu Ser Ser Ala Val Tyr Asp Gly Ser Val Ser Ser Gln
 65 70 75 80

Pro His Gln Tyr Leu Phe Ser Val Cys Arg Trp Gly Leu Leu Glu His
 85 90 95

His His Ile His Ser Phe Thr Tyr Tyr Leu Trp Leu Leu Leu Gln Tyr
 100 105 110

Ser Xaa

<210> 66
 <211> 51
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (51)
 <223> Xaa equals stop translation

<400> 66
 Met Thr Phe Gly Ile Val Val Asp Leu Thr Pro Val Phe Val Leu Val

1 5 10 15
 Leu Phe Leu Pro Ala Phe Leu Phe Leu Ser Leu Pro Ser Trp Ser Leu
 20 25 30
 Pro Arg Asp Pro Thr His Val Lys Tyr Gly Leu Glu Asp Cys Met Asn
 35 40 45
 Ala Ser Xaa
 50

<210> 67
 <211> 215
 <212> PRT
 <213> Homo sapiens

<400> 67
 Met Leu Leu Gln Val Val Arg Glu Gly Lys Phe Ser Gly Phe Leu Thr
 1 5 10 15
 Ser Cys Ser Leu Leu Leu Pro Arg Ala Ala Gln Ile Leu Ala Ala Glu
 20 25 30
 Ala Gly Leu Pro Ser Ser Arg Ser Phe Met Gly Phe Ala Ala Pro Phe
 35 40 45
 Thr Asn Lys Arg Lys Ala Tyr Ser Glu Arg Arg Ile Met Gly Tyr Ser
 50 55 60
 Met Gln Glu Met Tyr Glu Val Val Ser Asn Val Gln Glu Tyr Arg Glu
 65 70 75 80
 Phe Val Pro Trp Cys Lys Lys Ser Leu Val Val Ser Ser Arg Lys Gly
 85 90 95
 His Leu Lys Ala Gln Leu Glu Val Gly Phe Pro Pro Val Met Glu Arg
 100 105 110
 Tyr Thr Ser Ala Val Ser Met Val Lys Pro His Met Val Lys Ala Val
 115 120 125
 Cys Thr Asp Gly Lys Leu Phe Asn His Leu Glu Thr Ile Trp Arg Phe
 130 135 140
 Ser Pro Gly Ile Pro Ala Tyr Pro Arg Thr Cys Thr Val Asp Phe Ser
 145 150 155 160
 Ile Ser Phe Glu Phe Arg Ser Leu Leu His Ser Gln Leu Ala Thr Met
 165 170 175
 Phe Phe Asp Glu Val Val Lys Gln Asn Val Ala Ala Phe Glu Arg Arg
 180 185 190
 Ala Ala Thr Lys Phe Gly Pro Glu Thr Ala Ile Pro Arg Glu Leu Met
 195 200 205
 Phe His Glu Val His Gln Thr
 210 215

<210> 68
 <211> 311
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (256)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 68
 Met Gly Val Met Ala Met Leu Met Leu Pro Leu Leu Leu Leu Gly Ile
 1 5 10 15
 Ser Gly Leu Leu Phe Ile Tyr Gln Glu Val Ser Arg Leu Trp Ser Lys
 20 25 30
 Ser Ala Val Gln Asn Lys Val Val Val Ile Thr Asp Ala Ile Ser Gly
 35 40 45
 Leu Gly Lys Glu Cys Ala Arg Val Phe His Thr Gly Gly Ala Arg Leu
 50 55 60
 Val Leu Cys Gly Lys Asn Trp Glu Arg Leu Glu Asn Leu Tyr Asp Ala
 65 70 75 80
 Leu Ile Ser Val Ala Asp Pro Ser Lys Thr Phe Thr Pro Lys Leu Val
 85 90 95
 Leu Leu Asp Leu Ser Asp Ile Ser Cys Val Pro Asp Val Ala Lys Glu
 100 105 110
 Val Leu Asp Cys Tyr Gly Cys Val Asp Ile Leu Ile Asn Asn Ala Ser
 115 120 125
 Val Lys Val Lys Gly Pro Ala His Lys Ile Ser Leu Glu Leu Asp Lys
 130 135 140
 Lys Ile Met Asp Ala Asn Tyr Phe Gly Pro Ile Thr Leu Thr Lys Ala
 145 150 155 160
 Leu Leu Pro Asn Met Ile Ser Arg Arg Thr Gly Gln Ile Val Leu Val
 165 170 175
 Asn Asn Ile Gln Gly Lys Phe Gly Ile Pro Phe Arg Thr Thr Tyr Ala
 180 185 190
 Ala Ser Lys His Ala Ala Leu Gly Phe Phe Asp Cys Leu Arg Ala Glu
 195 200 205
 Val Glu Glu Tyr Asp Val Val Ile Ser Thr Val Ser Pro Thr Phe Ile
 210 215 220
 Arg Ser Tyr His Val Tyr Pro Glu Gln Gly Asn Trp Glu Ala Ser Ile
 225 230 235 240
 Trp Lys Phe Phe Phe Arg Lys Leu Thr Tyr Gly Val His Pro Val Xaa

	245		250		255
Val Ala Glu Glu Val Met Arg Thr Val Arg Arg Lys Lys Gln Glu Val	260		265		270
Phe Met Ala Asn Pro Ile Pro Lys Ala Ala Val Tyr Val Arg Thr Phe	275		280		285
Phe Pro Glu Phe Phe Phe Ala Val Val Ala Cys Gly Val Lys Glu Lys	290		295		300
Leu Asn Val Pro Glu Glu Gly	305		310		

<210> 69
 <211> 414
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (414)
 <223> Xaa equals stop translation

<400> 69
 Met Arg Arg Gly Cys Ala Val Leu Gly Ala Leu Gly Leu Leu Ala Gly
 1 5 10 15
 Ala Gly Val Gly Ser Trp Leu Leu Val Leu Tyr Leu Cys Pro Ala Ala
 20 25 30
 Ser Gln Pro Ile Ser Gly Thr Leu Gln Asp Glu Glu Ile Thr Leu Ser
 35 40 45
 Cys Ser Glu Ala Ser Ala Glu Glu Ala Leu Leu Pro Ala Leu Pro Lys
 50 55 60
 Thr Val Ser Phe Arg Ile Asn Ser Glu Asp Phe Leu Leu Glu Ala Gln
 65 70 75 80
 Val Arg Asp Gln Pro Arg Trp Leu Leu Val Cys His Glu Gly Trp Ser
 85 90 95
 Pro Ala Leu Gly Leu Gln Ile Cys Trp Ser Leu Gly His Leu Arg Leu
 100 105 110
 Thr His His Lys Gly Val Asn Leu Thr Asp Ile Lys Leu Asn Ser Ser
 115 120 125
 Gln Glu Phe Ala Gln Leu Ser Pro Arg Leu Gly Gly Phe Leu Glu Glu
 130 135 140
 Ala Trp Gln Pro Arg Asn Asn Cys Thr Ser Gly Gln Val Val Ser Leu
 145 150 155 160
 Arg Cys Ser Glu Cys Gly Ala Arg Pro Leu Ala Ser Arg Ile Val Gly
 165 170 175

Gly Gln Ser Val Ala Pro Gly Arg Trp Pro Trp Gln Ala Ser Val Ala
 180 185 190
 Leu Gly Phe Arg His Thr Cys Gly Gly Ser Val Leu Ala Pro Arg Trp
 195 200 205
 Val Val Thr Ala Ala His Cys Met His Ser Phe Arg Leu Ala Arg Leu
 210 215 220
 Ser Ser Trp Arg Val His Ala Gly Leu Val Ser His Ser Ala Val Arg
 225 230 235 240
 Pro His Gln Gly Ala Leu Val Glu Arg Ile Ile Pro His Pro Leu Tyr
 245 250 255
 Ser Ala Gln Asn His Asp Tyr Asp Val Ala Leu Leu Arg Leu Gln Thr
 260 265 270
 Ala Leu Asn Phe Ser Asp Thr Val Gly Ala Val Cys Leu Pro Ala Lys
 275 280 285
 Glu Gln His Phe Pro Lys Gly Ser Arg Cys Trp Val Ser Gly Trp Gly
 290 295 300
 His Thr His Pro Ser His Thr Tyr Ser Ser Asp Met Leu Gln Asp Thr
 305 310 315 320
 Val Val Pro Leu Phe Ser Thr Gln Leu Cys Asn Ser Ser Cys Val Tyr
 325 330 335
 Ser Gly Ala Leu Thr Pro Arg Met Leu Cys Ala Gly Tyr Leu Asp Gly
 340 345 350
 Arg Ala Asp Ala Cys Gln Gly Asp Ser Gly Gly Pro Leu Val Cys Pro
 355 360 365
 Asp Gly Asp Thr Trp Arg Leu Val Gly Val Val Ser Trp Gly Arg Gly
 370 375 380
 Cys Ala Glu Pro Asn His Pro Gly Val Tyr Ala Lys Val Ala Glu Phe
 385 390 395 400
 Leu Asp Trp Ile His Asp Thr Ala Gln Asp Ser Leu Leu Xaa
 405 410

<210> 70
 <211> 61
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (61)
 <223> Xaa equals stop translation

<400> 70
 Met Val Ala Tyr Ser Val Gln Val Leu Ala Val Phe Ile Ser Cys Ala
 1 5 10 15

Ile Leu Thr Leu Ala Met Lys Ile Ala Trp Ile Phe Gly Leu Asn Ser
20 25 30

Val Gln Asn Ile Thr Ala Asn Leu Ser Val Asp Gly Ser Thr Ser Gly
35 40 45

Asn Pro Ile Gln Lys Trp Lys Val Ile Trp Ser Leu Xaa
50 55 60

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<210> 71  
<211> 69  
<212> PRT  
<213> Homo sapiens
```

```
<220>
<221> SITE
<222> (69)
<223> Xaa equals stop translation
```

```
<400> 71
Met Ala Ala Pro Leu Val Leu Val Leu Val Val Ala Val Thr Val Arg
      1              5              10              15
```

Ala Ala Leu Phe Arg Ser Ser Leu Ala Glu Phe Ile Ser Glu Arg Val
20 25 30

Glu Val Val Ser Pro Leu Ser Ser Trp Lys Arg Val Val Glu Gly Leu
35 40 45

Ser Leu Leu Gly Leu Gly Ser Ile Ser Val Phe Trp Ser Ser Ile Ser
50 55 60

Trp Lys Leu His Xaa
65

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<210> 72
<211> 299
<212> PRT
<213> Homo sapiens
```

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<220>
<221> SITE
<222> (87)
<223> Xaa equals any of the naturally occurring L-amino acids
```

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<220>  
<221> SITE  
<222> (299)  
<223> Xaa equals stop translation
```

<400> 72
Met Phe Phe Phe Phe Asp Ser Val Gln Val Val Phe Thr Ile Cys Thr
1 5 10 15

Ala Val Leu Ala Thr Ile Ala Phe Ala Phe Leu Leu Leu Pro Met Cys
20 25 30

[illegible]

```
<210> 73
<211> 56
<212> PRT
<213> Homo sapiens
```

 $\langle 220 \rangle$

<221> SITE

<222> (56)

<223> Xaa equals stop translation

<400> 73

Met Pro Gly Gly Arg Asp Gly Leu Leu Tyr Leu Tyr His Gly Tyr Ser
1 5 10 15

Ala Leu Leu Leu Trp Pro Val Ala Phe Leu His Leu Leu Phe Leu Ile
20 25 30

Leu Leu Gly Met Cys Phe Ala Cys Cys Ile Pro Thr Ser Ser Ala Pro
35 40 45

Leu His Thr Pro Trp Leu Ala Xaa
50 55

<210> 74

<211> 288

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (288)

<223> Xaa equals stop translation

<400> 74

Met Arg Pro Asp Pro Arg Leu Lys Trp Ala Val Leu Val Leu Val Leu
1 5 10 15

Val Gln Met Leu Ala Cys Trp Leu Val Arg Gly Leu Ala Trp Arg Trp
20 25 30

Leu Leu Phe Trp Ala Tyr Ala Phe Gly Gly Cys Val Asn His Ser Leu
35 40 45

Thr Leu Ala Ile His Asp Ile Ser His Asn Ala Ala Phe Gly Thr Gly
50 55 60

Arg Ala Ala Arg Asn Arg Trp Leu Ala Val Phe Ala Asn Leu Pro Val
65 70 75 80

Gly Val Pro Tyr Ala Ala Ser Phe Lys Lys Tyr His Val Asp His His
85 90 95

Arg Tyr Leu Gly Gly Asp Gly Leu Asp Val Asp Val Pro Thr Arg Leu
100 105 110

Glu Gly Trp Phe Phe Cys Thr Pro Ala Arg Lys Leu Leu Trp Leu Val
115 120 125

Leu Gln Pro Phe Phe Tyr Ser Leu Arg Pro Leu Cys Val His Pro Lys
130 135 140

Ala Val Thr Arg Met Glu Val Leu Asn Thr Leu Val Gln Leu Ala Ala
145 150 155 160

Asp Leu Ala Ile Phe Ala Leu Trp Gly Leu Lys Pro Val Val Tyr Leu
 165 170 175
 Leu Ala Ser Ser Phe Leu Gly Leu Gly Leu His Pro Ile Ser Gly His
 180 185 190
 Phe Val Ala Glu His Tyr Met Phe Leu Lys Gly His Glu Thr Tyr Ser
 195 200 205
 Tyr Tyr Gly Pro Leu Asn Trp Ile Thr Phe Asn Val Gly Tyr His Val
 210 215 220
 Glu His His Asp Phe Pro Ser Ile Pro Gly Tyr Asn Leu Pro Leu Val
 225 230 235 240
 Arg Lys Ile Ala Pro Glu Tyr Tyr Asp His Leu Pro Gln His His Ser
 245 250 255
 Trp Val Lys Val Leu Trp Asp Phe Val Phe Glu Asp Ser Leu Gly Pro
 260 265 270
 Tyr Ala Arg Val Lys Arg Val Tyr Arg Leu Ala Lys Asp Gly Leu Xaa
 275 280 285

<210> 75

<211> 58

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (58)

<223> Xaa equals stop translation

<400> 75

Met Asp Met Lys Trp Phe Leu Ile Val Val Leu Ile Cys Ile Pro Leu
 1 5 10 15

Met Thr Ser Asp Ile Glu His Leu Phe Met Cys Leu Leu Pro Phe His
 20 25 30

Val Ser Ser Leu Xaa Lys Cys Leu Phe Lys Ser Phe Ala His Phe Ser
 35 40 45

Val Gly Leu Tyr Phe Val Val Glu Phe Xaa
 50 55

<210> 76

<211> 59

<212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (59)
 <223> Xaa equals stop translation

<400> 76
 Met Ala Leu Val Trp Leu Cys Phe Leu Asn Ser Val Glu Gly Phe Gly
 1 5 10 15
 Val Ser Arg Ala Pro Pro Leu Ser Pro Pro Leu Glu Glu Asn Ala Gln
 20 25 30
 Asp Ser Gly Ala Ser Phe Arg Tyr Arg Lys Thr Lys Ile Ala Leu Phe
 35 40 45
 Trp Thr Gln Phe Ser Val Thr Ser Ser Leu Xaa
 50 55

<210> 77
 <211> 51
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (51)
 <223> Xaa equals stop translation

<400> 77
 Met Leu Asn Phe Leu Leu Ser Asn Ser Leu Leu Leu Thr Ile Val Ser
 1 5 10 15
 Ile Val Leu Leu Phe Leu Val Leu Val Thr Cys Gly Thr Val Gln Glu
 20 25 30
 Asp Glu Arg Glu Arg Glu Arg Asp His Ser Cys Asn Phe Tyr Tyr Ser
 35 40 45
 Ile Leu Xaa
 50

<210> 78
 <211> 197
 <212> PRT
 <213> Homo sapiens

<400> 78
 Met Gly Val Pro Leu Gly Leu Gly Ala Ala Trp Leu Leu Ala Trp Pro
 1 5 10 15
 Gly Leu Ala Leu Pro Leu Val Ala Met Ala Ala Gly Gly Arg Trp Val
 20 25 30
 Arg Gln Gln Gly Pro Arg Val Arg Arg Gly Ile Ser Arg Leu Trp Leu

35 40 45
 Arg Val Leu Leu Arg Leu Ser Pro Met Ala Phe Arg Ala Leu Gln Gly
 50 55 60
 Cys Gly Ala Val Gly Asp Arg Gly Leu Phe Ala Leu Tyr Pro Lys Thr
 65 70 75 80
 Asn Lys Asp Gly Phe Arg Ser Arg Leu Pro Val Pro Gly Pro Arg Arg
 85 90 95
 Arg Asn Pro Arg Thr Thr Gln His Pro Leu Ala Leu Leu Ala Arg Val
 100 105 110
 Trp Val Leu Cys Lys Gly Trp Asn Trp Arg Leu Ala Arg Ala Ser Gln
 115 120 125
 Gly Leu Ala Ser His Leu Pro Pro Trp Ala Ile His Thr Leu Ala Ser
 130 135 140
 Trp Gly Leu Leu Arg Gly Glu Arg Pro Thr Arg Ile Pro Arg Leu Leu
 145 150 155 160
 Pro Arg Ser Gln Arg Gln Leu Gly Pro Pro Ala Ser Arg Gln Pro Leu
 165 170 175
 Pro Gly Thr Leu Ala Gly Arg Arg Ser Arg Thr Arg Gln Ser Arg Ala
 180 185 190
 Leu Pro Pro Trp Arg
 195

<210> 79
 <211> 63
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (51)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (63)
 <223> Xaa equals stop translation

<400> 79
 Met Trp Ser Leu Val Ser Val Ser Val Leu Val Leu Thr Cys Ala Val
 1 5 10 15
 Asp Val Ala Glu Gly Leu Gly Trp Gly Glu Val Ser Thr Gly Gly Ile
 20 25 30
 Glu Leu Pro Arg His Met Val Leu Val Val Leu Val Glu Arg Glu Ser
 35 40 45
 Gln Arg Xaa Arg Thr Cys Ser Val Lys Thr Phe Ser Ser Arg Xaa

50

55

60

<210> 80
 <211> 103
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (70)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (103)
 <223> Xaa equals stop translation

<400> 80
 Met Met Ile Ser Ile Val Gly Phe Leu Ser Pro Phe Asn Met Ile Leu
 1 5 10 15
 Gly Gly Ile Val Val Val Leu Val Phe Thr Gly Phe Val Trp Ala Ala
 20 25 30
 His Asn Lys Asp Val Leu Arg Arg Met Lys Lys Arg Tyr Pro Thr Thr
 35 40 45
 Phe Val Met Val Val Met Leu Ala Ser Tyr Phe Leu Ile Ser Met Phe
 50 55 60
 Gly Gly Val Met Val Xaa Val Phe Gly Ile Thr Phe Pro Leu Leu Leu
 65 70 75 80
 Met Phe Ile His Ala Ser Leu Arg Leu Arg Asn Leu Lys Asn Lys Leu
 85 90 95
 Glu Asn Lys Met Glu Gly Xaa
 100

<210> 81
 <211> 123
 <212> PRT
 <213> Homo sapiens

<400> 81
 Met Ile Leu Gly Gly Ile Val Val Val Leu Val Phe Thr Gly Phe Val
 1 5 10 15
 Trp Ala Ala His Asn Lys Asp Val Leu Arg Arg Met Lys Lys Arg Tyr
 20 25 30
 Pro Thr Thr Phe Val Met Val Val Met Leu Ala Ser Tyr Phe Leu Ile
 35 40 45
 Ser Met Phe Gly Gly Val Met Val Phe Val Phe Gly Ile Thr Phe Pro
 50 55 60

Leu Leu Leu Met Phe Ile His Ala Ser Leu Arg Leu Arg Asn Leu Lys
 65 70 75 80
 Asn Lys Leu Glu Asn Lys Met Glu Gly Ile Gly Leu Lys Arg Thr Pro
 85 90 95
 Met Gly Ile Val Leu Asp Ala Leu Glu Gln Gln Glu Glu Gly Ile Asn
 100 105 110
 Arg Leu Thr Asp Tyr Ile Ser Lys Val Lys Glu
 115 120

<210> 82
 <211> 73
 <212> PRT
 <213> Homo sapiens
 <220>
 <221> SITE
 <222> (73)
 <223> Xaa equals stop translation

<400> 82
 Met Pro Leu Thr Leu Leu Ile Leu Ser Cys Leu Ala Asp Trp Thr Met
 1 5 10 15
 Ala Glu Ala Glu Gly Asn Ala Ser Cys Thr Val Ser Leu Gly Gly Ala
 20 25 30
 Asn Met Ala Glu Thr His Lys Ala Met Ile Leu Gln Leu Asn Pro Ser
 35 40 45
 Glu Asn Cys Thr Trp Thr Ile Glu Arg Pro Glu Asn Lys Ser Ile Arg
 50 55 60
 Ile Ile Phe Ser Tyr Val Pro Ala Xaa
 65 70

<210> 83
 <211> 246
 <212> PRT
 <213> Homo sapiens
 <220>
 <221> SITE
 <222> (246)
 <223> Xaa equals stop translation

<400> 83
 Met Ala Glu Leu Pro Gly Pro Phe Leu Cys Gly Ala Leu Leu Gly Phe
 1 5 10 15
 Leu Cys Leu Ser Gly Leu Ala Val Glu Val Lys Val Pro Thr Glu Pro
 20 25 30
 Leu Ser Thr Pro Leu Gly Lys Thr Ala Glu Leu Thr Cys Thr Tyr Ser
 35 40 45

Thr Ser Val Gly Asp Ser Phe Ala Leu Glu Trp Ser Phe Val Gln Pro
 50 55 60
 Gly Lys Pro Ile Ser Glu Ser His Pro Ile Leu Tyr Phe Thr Asn Gly
 65 70 75 80
 His Leu Tyr Pro Thr Gly Ser Lys Ser Lys Arg Val Ser Leu Leu Gln
 85 90 95
 Asn Pro Pro Thr Val Gly Val Ala Thr Leu Lys Leu Thr Asp Val His
 100 105 110
 Pro Ser Asp Thr Gly Thr Tyr Leu Cys Gln Val Asn Asn Pro Pro Asp
 115 120 125
 Phe Tyr Thr Asn Gly Leu Gly Leu Ile Asn Leu Thr Val Leu Val Pro
 130 135 140
 Pro Ser Asn Pro Leu Cys Ser Gln Ser Gly Gln Thr Ser Val Gly Gly
 145 150 155 160
 Ser Thr Ala Leu Arg Cys Ser Ser Ser Glu Gly Ala Pro Lys Pro Val
 165 170 175
 Tyr Asn Trp Val Arg Leu Gly Thr Phe Pro Thr Pro Ser Pro Gly Ser
 180 185 190
 Met Val Gln Asp Glu Val Ser Gly Gln Leu Ile Leu Thr Asn Leu Ser
 195 200 205
 Leu Thr Ser Ser Gly Thr Tyr Arg Cys Val Ala Thr Asn Gln Met Gly
 210 215 220
 Ser Ala Ser Cys Glu Leu Thr Leu Ser Val Thr Glu Pro Ser Gln Gly
 225 230 235 240
 Arg Val Ala Glu Leu Xaa
 245

<210> 84
 <211> 167
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (167)
 <223> Xaa equals stop translation

<400> 84
 Met Gly Val Pro Leu Gly Leu Gly Ala Ala Trp Leu Leu Ala Trp Pro
 1 5 10 15
 Gly Leu Ala Leu Pro Leu Val Ala Met Ala Ala Gly Gly Arg Trp Val
 20 25 30
 Arg Gln Gln Gly Pro Arg Val Arg Arg Gly Ile Ser Arg Leu Trp Leu

35 40 45
 Arg Val Leu Leu Arg Leu Ser Pro Met Ala Phe Arg Ala Leu Gln Gly
 50 55 60
 Cys Gly Ala Val Gly Asp Arg Gly Leu Phe Ala Leu Tyr Pro Lys Thr
 65 70 75 80
 Asn Lys Asp Gly Phe Arg Ser Arg Leu Pro Val Pro Gly Pro Arg Arg
 85 90 95
 Arg Asn Pro Arg Thr Thr Gln His Pro Leu Ala Leu Leu Ala Arg Val
 100 105 110
 Trp Val Leu Cys Lys Gly Trp Asn Trp Arg Leu Ala Arg Ala Ser Gln
 115 120 125
 Gly Leu Ala Ser His Leu Pro Pro Trp Ala Ile His Thr Leu Ala Ser
 130 135 140
 Trp Gly Leu Leu Arg Gly Glu Arg Pro Pro Glu Ser Pro Gly Tyr Tyr
 145 150 155 160
 His Ala Ala Ser Ala Ser Xaa
 165

<210> 85
 <211> 122
 <212> PRT
 <213> Homo sapiens

<400> 85
 Pro Pro Ala Leu Gly Pro Val Ser Pro Gly Ala Ser Gly Ser Pro Gly
 1 5 10 15
 Pro Val Ala Ala Ala Pro Ser Ser Leu Val Ala Ala Ala Ala Ser Val
 20 25 30
 Ala Ala Ala Ala Gly Gly Asp Leu Gly Trp Met Ala Glu Thr Ala Ala
 35 40 45
 Ile Ile Thr Asp Ala Ser Phe Leu Ser Gly Leu Ser Ala Ser Leu Leu
 50 55 60
 Glu Arg Arg Pro Ala Ser Pro Leu Gly Pro Ala Gly Gly Leu Pro His
 65 70 75 80
 Ala Pro Gln Asp Ser Val Pro Pro Ser Asp Ser Ala Ala Ser Asp Thr
 85 90 95
 Thr Pro Leu Gly Ala Ala Val Gly Gly Pro Ser Pro Ala Ser Met Ala
 100 105 110
 Pro Thr Glu Ala Pro Ser Glu Val Gly Ser
 115 120

<210> 86

<211> 346

<212> PRT

<213> Homo sapiens

<400> 86

Lys Ser Val Lys Leu Val Arg Leu Gln Val Pro Val Arg Asn Ser Arg
 1 5 10 15

Val Asp Pro Arg Val Arg Lys Gly Phe Leu Arg Asn Val Val Ser Gly
 20 25 30

Glu His Tyr Arg Phe Val Ser Met Trp Met Ala Arg Thr Ser Tyr Leu
 35 40 45

Ala Ala Phe Ala Ile Met Val Ile Phe Thr Leu Ser Val Ser Met Leu
 50 55 60

Leu Arg Tyr Ser His His Gln Ile Phe Val Phe Ile Ala Pro Leu Leu
 65 70 75 80

Thr Val Ile Leu Ala Leu Val Gly Met Glu Ala Ile Met Ser Glu Phe
 85 90 95

Phe Asn Asp Thr Thr Thr Ala Phe Tyr Ile Ile Leu Ile Val Trp Leu
 100 105 110

Ala Asp Gln Tyr Asp Ala Ile Cys Cys His Thr Ser Thr Ser Lys Arg
 115 120 125

His Trp Leu Arg Phe Phe Tyr Leu Tyr His Phe Ala Phe Tyr Ala Tyr
 130 135 140

His Tyr Arg Phe Asn Gly Gln Tyr Ser Ser Leu Ala Leu Val Thr Ser
 145 150 155 160

Trp Leu Phe Ile Gln His Ser Met Ile Tyr Phe Phe His His Tyr Glu
 165 170 175

Leu Pro Ala Ile Leu Gln Gln Val Arg Ile Gln Glu Met Leu Leu Gln
 180 185 190

Ala Pro Pro Leu Gly Pro Gly Thr Pro Thr Ala Leu Pro Asp Asp Met
 195 200 205

Asn Asn Asn Ser Gly Ala Pro Ala Thr Ala Pro Asp Ser Ala Gly Gln
 210 215 220

Pro Pro Ala Leu Gly Pro Val Ser Pro Gly Ala Ser Gly Ser Pro Gly
 225 230 235 240

Pro Val Ala Ala Ala Pro Ser Ser Leu Val Ala Ala Ala Ala Ser Val
 245 250 255

Ala Ala Ala Ala Gly Gly Asp Leu Gly Trp Met Ala Glu Thr Ala Ala
 260 265 270

Ile Ile Thr Asp Ala Ser Phe Leu Ser Gly Leu Ser Ala Ser Leu Leu
 275 280 285

Glu Arg Arg Pro Ala Ser Pro Leu Gly Pro Ala Gly Gly Leu Pro His
 290 295 300

Ala Pro Gln Asp Ser Val Pro Pro Ser Asp Ser Ala Ala Ser Asp Thr
 305 310 315 320

Thr Pro Leu Gly Ala Ala Val Gly Gly Pro Ser Pro Ala Ser Met Ala
 325 330 335

Pro Thr Glu Ala Pro Ser Glu Val Gly Ser
 340 345

<210> 87

<211> 259

<212> PRT

<213> Homo sapiens

<400> 87

Met Gly Pro His Ser Ile Leu Arg Thr Val His Cys Arg Pro Thr Lys
 1 5 10 15

Thr Pro Pro Glu Pro Ser Ala Glu Pro His Pro Leu Ser Leu Leu Thr
 20 25 30

Ser Ser Asn Thr Ser Leu Ala Gly Thr Ser Leu Gly Arg Asp Leu Thr
 35 40 45

Pro Gly Gly Gly Lys Pro Pro Ser Gly Gln Thr Pro Arg Asn Pro Glu
 50 55 60

Ser Pro Arg His Arg Leu Gly Ser Pro Arg Gly Arg Arg Trp Leu Ala
 65 70 75 80

Ser Pro Thr Pro Thr Gly Ser Gly Arg Ser Gly Pro Ala Ser Arg Gly
 85 90 95

Gln Arg Arg Leu Ser Cys Ala Ala Gln Asp Pro Thr Ser Glu Gly Ala
 100 105 110

Ser Val Gly Ala Met Glu Ala Gly Leu Gly Pro Pro Thr Ala Ala Pro
 115 120 125

Arg Gly Val Val Ser Glu Ala Ala Glu Ser Leu Gly Gly Thr Leu Ser
 130 135 140

Trp Gly Ala Trp Gly Arg Pro Pro Ala Gly Pro Ser Gly Leu Ala Gly
 145 150 155 160

Arg Arg Ser Arg Arg Glu Ala Leu Arg Pro Asp Arg Lys Glu Ala Ser
 165 170 175

Val Met Met Ala Ala Val Ser Ala Ile Gln Pro Arg Ser Pro Pro Ala
 180 185 190

Ala Ala Ala Thr Glu Ala Ala Ala Thr Arg Glu Leu Gly Ala Ala
 195 200 205

Ala Thr Gly Pro Gly Leu Pro Leu Ala Pro Gly Glu Thr Gly Pro Arg

210		215		220
Ala Gly Gly Trp Pro	Ala Glu Ser Gly Ala Val	Ala Gly Ala Pro Glu		
225	230	235		240
Leu Leu Phe Met Ser	Ser Gly Ser Ala Val	Gly Val Pro Gly Pro Ser		
	245	250		255

Gly Gly Ala

<210> 88
 <211> 169
 <212> PRT
 <213> Homo sapiens

<400> 88

Met Ser Ala Pro Pro His Ser Ser Pro Ser Asp Trp Phe Gly Arg Arg	
1 5 10 15	
Pro Thr Pro Ser Pro Ser Gly Thr Gly Pro Arg Pro Trp Leu Leu Pro	
20 25 30	
Leu Met Leu Ala Pro Ala Pro His Val Pro Met Pro Glu Ala Gln Ala	
35 40 45	
Leu Leu Ser Arg Gly Pro Gln Ala Trp Arg Thr Arg Gly Glu Gly Gly	
50 55 60	
Ala Met Glu Lys Ala Leu Gln Gly Ala Pro Gly Arg Ala Gly Leu Arg	
65 70 75 80	
Pro Ala Gly Thr Arg Ala Arg Gly Pro Thr Pro Ser Arg Pro Leu Leu	
85 90 95	
His Thr Ser Ala Leu Leu Arg Asp Leu His His Gly Thr Pro Leu His	
100 105 110	
Pro Gln Asp Gly Ser Leu Gln Thr Tyr Gln Asp Pro Ser Arg Thr Phe	
115 120 125	
Arg Gly Thr Pro Pro Pro Leu Leu Ala Asp Gln Leu Lys His Leu Thr	
130 135 140	
Ser Gly Tyr Lys Pro Arg Ala Arg Pro His Thr Arg Gly Arg Lys Ala	
145 150 155 160	
Ala Phe Arg Ala Asn Pro Thr Lys Pro	
165	

<210> 89
 <211> 387
 <212> PRT
 <213> Homo sapiens

<400> 89

Met Arg Arg Ser Thr His Leu Ser Met Pro Leu Trp Pro His Leu Gly

1	5	10	15
Gly Gly Asp Arg Arg Gly Gly Arg Gly Lys Gly Glu Gly Gln Glu Gly	20	25	30
Phe Met Gly His Leu Leu Cys Ala Arg Pro Cys Ala Gln Leu Trp Ala	35	40	45
Arg Gln Ser Arg Glu Val Gly Gly Ser Pro Gly Ser Gln Cys Gly Glu	50	55	60
Ala Gly Trp Gly Leu Cys Lys Gly Ala Phe Ser Ile Thr Leu Pro Thr	65	70	75
Leu Cys Pro Gln Leu Arg Ile Gln Leu Gly Gly Ser Met Val Ser Met	85	90	95
Ser Gly Cys Arg Arg Lys Cys Arg Lys Gln Val Val Gln Lys Ala Cys	100	105	110
Cys Pro Gly Tyr Trp Gly Ser Arg Cys His Glu Cys Pro Gly Gly Ala	115	120	125
Glu Thr Pro Cys Asn Gly His Gly Thr Cys Leu Asp Gly Met Asp Arg	130	135	140
Asn Gly Thr Cys Val Cys Gln Glu Asn Phe Arg Gly Ser Ala Cys Gln	145	150	155
Glu Cys Gln Asp Pro Asn Arg Phe Gly Pro Asp Cys Gln Ser Val Cys	165	170	175
Ser Cys Val His Gly Val Cys Asn His Gly Pro Arg Gly Asp Gly Ser	180	185	190
Cys Leu Cys Phe Ala Gly Tyr Thr Gly Pro His Cys Asp Gln Glu Leu	195	200	205
Pro Val Cys Gln Glu Leu Arg Cys Pro Gln Asn Thr Gln Cys Ser Ala	210	215	220
Glu Ala Pro Ser Cys Arg Cys Leu Pro Gly Tyr Thr Gln Gln Gly Ser	225	230	235
Glu Cys Arg Ala Pro Asn Pro Cys Trp Pro Ser Pro Cys Ser Leu Leu	245	250	255
Ala Gln Cys Ser Val Ser Pro Lys Gly Gln Ala Gln Cys His Cys Pro	260	265	270
Glu Asn Tyr His Gly Asp Gly Met Val Cys Leu Pro Lys Asp Pro Cys	275	280	285
Thr Asp Asn Leu Gly Gly Cys Pro Ser Asn Ser Thr Leu Cys Val Tyr	290	295	300
Gln Lys Pro Gly Gln Ala Phe Cys Thr Cys Arg Pro Gly Leu Val Ser	305	310	315
			320

Ile Asn Ser Asn Ala Ser Ala Gly Cys Phe Ala Phe Cys Ser Pro Phe
325 330 335

Ser Cys Asp Arg Ser Ala Thr Cys Gln Val Thr Ala Asp Gly Lys Thr
340 345 350

Ser Cys Val Cys Arg Glu Ala Arg Trp Gly Met Gly Val Pro Ala Thr
355 360 365

Asp Thr Cys Ser Thr Arg Cys Arg Arg Pro Arg Arg Gln Ala Gly Cys
370 375 380

Ser Cys Ser
385

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<210> 90
<211> 432
<212> PRT
<213> Homo sapiens
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<400> 90
Met Asp Val Asp Thr Leu Leu Gly Glu Asp Val Gln Leu His Thr Val
1 5 10 15

Gly Gly Thr Arg Ala Gly Val Gln Gly Leu Ala Val His Thr Gly Ala
20 25 30

Arg His Asn Leu Val Leu Leu Leu Ala Ala Val Leu Gly Gln Asp Gly
35 40 45

Gln Asp Gly Arg Gly Gln Gln Asp Ala Val Gln His Val Asp His Thr
50 55 60

Ile Gly Gly His His Val Tyr Pro Leu Gln Arg Asp Pro Leu Gly Ser
65 70 75 80

Gln Gln Asp Ala Pro Leu Leu Arg Asn Val His Ser Gln Asp Leu Val
85 90 95

Arg His Gly Glu Asp Pro Thr Leu Gly Asp Glu Leu Leu Asn Gly Gln
100 105 110

Leu Ala Val Val Val Asp Val Val Pro His Gln Leu Leu Gln Phe Arg
115 120 125

Glu Thr Arg Cys Glu Glu Val Asp Gln Ala Ala Val Thr Gln Ala Val
130 135 140

His Ser Leu Ile Ala Trp Gly Lys Asp Cys Glu Gly Pro Arg Ser Val
145 150 155 160

Gln Asp Gly Gly Gln Pro Thr Val Leu Gln Asp Gly Phe Lys Ala Ala
165 170 175

Glu Gly Leu Gly Arg Gly Glu Asp Leu Ser Asp Ser Ser Leu Gly Ile
180 185 190

Pro Arg Gly Pro Arg Gly Gly Leu Pro Pro Gln Ala Ser Asp His Val

195	200	205
Glu Asp Ala Ile Ser Cys Tyr Val Val Gly Leu Val Asp Val Glu Arg 210 215 220		
Leu Leu Gly Leu Val Phe Val Leu Val Gly Val Phe Arg Glu Leu Val 225 230 235 240		
Lys Gly Asp Gly Asp Leu Leu Pro Gly Gln Arg Pro Pro Pro Ser Cys 245 250 255		
Leu Leu Gly Pro Cys Val Leu Gln Asp Val Leu Pro Cys Asp Asp Val 260 265 270		
Leu Ser Thr Glu Leu Leu Gly Lys Gly Cys Ile His Gly Pro Gly Gly 275 280 285		
Glu Gly Gly Asp Gly Trp His Gln His Gly Glu Arg Ala Arg Cys Gly 290 295 300		
Lys Asp Phe Pro Ala Ala Leu Val His His Gly His Gly Asp Pro Gln 305 310 315 320		
Leu Gln Glu His Pro Ala Cys Leu Arg Gly Leu Leu His Leu Val Glu 325 330 335		
Gln Val Ser Val Ala Gly Thr Pro Ile Pro His Leu Ala Ser Leu His 340 345 350		
Thr Gln Leu Val Phe Pro Ser Ala Val Thr Trp Gln Val Ala Asp Arg 355 360 365		
Ser Gln Glu Lys Gly Glu Gln Lys Ala Lys Gln Pro Ala Glu Ala Leu 370 375 380		
Leu Leu Met Leu Thr Arg Pro Gly Arg Gln Val Gln Lys Ala Trp Pro 385 390 395 400		
Gly Phe Trp Tyr Thr His Lys Val Glu Leu Leu Gly Gln Pro Pro Arg 405 410 415		
Leu Ser Val His Gly Ser Leu Gly Arg His Thr Ile Pro Ser Pro Trp 420 425 430		

<210> 91
 <211> 62
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (51)
 <223> Xaa equals any of the naturally occurring L-amino acids
 <400> 91

Met Trp Ser Leu Val Ser Val Ser Val Leu Val Leu Thr Cys Ala Val
 1 5 10 15
 Asp Val Ala Glu Gly Leu Gly Trp Gly Glu Val Ser Thr Gly Gly Ile
 20 25 30
 Glu Leu Pro Arg His Met Val Leu Val Val Leu Val Glu Arg Glu Ser
 35 40 45
 Gln Arg Xaa Arg Thr Cys Ser Val Lys Thr Phe Ser Ser Arg
 50 55 60

<210> 92
 <211> 123
 <212> PRT
 <213> Homo sapiens

<400> 92
 Met Ile Leu Gly Gly Ile Val Val Val Leu Val Phe Thr Gly Phe Val
 1 5 10 15
 Trp Ala Ala His Asn Lys Asp Val Leu Arg Arg Met Lys Lys Arg Tyr
 20 25 30
 Pro Thr Thr Phe Val Met Val Val Met Leu Ala Ser Tyr Phe Leu Ile
 35 40 45
 Ser Met Phe Gly Gly Val Met Val Phe Val Phe Gly Ile Thr Phe Pro
 50 55 60
 Leu Leu Leu Met Phe Ile His Ala Ser Leu Arg Leu Arg Asn Leu Lys
 65 70 75 80
 Asn Lys Leu Glu Asn Lys Met Glu Gly Ile Gly Leu Lys Arg Thr Pro
 85 90 95
 Met Gly Ile Val Leu Asp Ala Leu Glu Gln Gln Glu Glu Gly Ile Asn
 100 105 110
 Arg Leu Thr Asp Tyr Ile Ser Lys Val Lys Glu
 115 120

<210> 93
 <211> 72
 <212> PRT
 <213> Homo sapiens

<400> 93
 Met Pro Leu Thr Leu Leu Ile Leu Ser Cys Leu Ala Asp Trp Thr Met
 1 5 10 15
 Ala Glu Ala Glu Gly Asn Ala Ser Cys Thr Val Ser Leu Gly Gly Ala
 20 25 30
 Asn Met Ala Glu Thr His Lys Ala Met Ile Leu Gln Leu Asn Pro Ser
 35 40 45

Glu Asn Cys Thr Trp Thr Ile Glu Arg Pro Glu Asn Lys Ser Ile Arg
 50 55 60

Ile Ile Phe Ser Tyr Val Pro Ala
 65 70

<210> 94

<211> 254

<212> PRT

<213> Homo sapiens

<400> 94

Gln Leu Asp Pro Asp Gly Ser Cys Glu Ser Glu Asn Ile Lys Val Phe
 1 5 10 15

Asp Gly Thr Ser Ser Asn Gly Pro Leu Leu Gly Gln Val Cys Ser Lys
 20 25 30

Asn Asp Tyr Val Pro Val Phe Glu Ser Ser Ser Ser Thr Leu Thr Phe
 35 40 45

Gln Ile Val Thr Asp Ser Ala Arg Ile Gln Arg Thr Val Phe Val Phe
 50 55 60

Tyr Tyr Phe Phe Ser Pro Asn Ile Ser Ile Pro Asn Cys Gly Gly Tyr
 65 70 75 80

Leu Asp Thr Leu Glu Gly Ser Phe Thr Ser Pro Asn Tyr Pro Lys Pro
 85 90 95

His Pro Glu Leu Ala Tyr Cys Val Trp His Ile Gln Val Glu Lys Asp
 100 105 110

Tyr Lys Ile Lys Leu Asn Phe Lys Glu Ile Phe Leu Glu Ile Asp Lys
 115 120 125

Gln Cys Lys Phe Asp Phe Leu Ala Ile Tyr Asp Gly Pro Ser Thr Asn
 130 135 140

Ser Gly Leu Ile Gly Gln Val Cys Gly Arg Val Thr Pro Thr Phe Glu
 145 150 155 160

Ser Ser Ser Asn Ser Leu Thr Val Val Leu Ser Thr Asp Tyr Ala Asn
 165 170 175

Ser Tyr Arg Gly Phe Ser Ala Ser Tyr Thr Ser Ile Tyr Ala Glu Asn
 180 185 190

Ile Asn Thr Thr Ser Leu Thr Cys Ser Ser Asp Arg Met Arg Val Ile
 195 200 205

Ile Ser Lys Ser Tyr Leu Glu Ala Phe Asn Ser Asn Gly Asn Asn Leu
 210 215 220

Gln Leu Lys Asp Pro Thr Trp Gln Thr Lys Ile Ile Lys Trp Trp Gly
 225 230 235 240

Asn Phe Leu Val Leu Leu Met Asp Val Val His Ser Glu Arg

245

250

<210> 95
 <211> 51
 <212> PRT
 <213> Homo sapiens

<400> 95
 Glu Ala Glu Gly Asn Ala Ser Cys Thr Val Ser Leu Gly Gly Ala Asn
 1 5 10 15
 Met Ala Glu Thr His Lys Ala Met Ile Leu Gln Leu Asn Pro Ser Glu
 20 25 30
 Asn Cys Thr Trp Thr Ile Glu Arg Pro Glu Asn Lys Ser Ile Arg Ile
 35 40 45
 Ile Phe Ser
 50

<210> 96
 <211> 324
 <212> PRT
 <213> Homo sapiens

<400> 96
 Met Pro Leu Thr Leu Leu Ile Leu Ser Cys Leu Ala Asp Trp Thr Met
 1 5 10 15
 Ala Glu Ala Glu Gly Asn Ala Ser Cys Thr Val Ser Leu Gly Gly Ala
 20 25 30
 Asn Met Ala Glu Thr His Lys Ala Met Ile Leu Gln Leu Asn Pro Ser
 35 40 45
 Glu Asn Cys Thr Trp Thr Ile Glu Arg Pro Glu Asn Lys Ser Ile Arg
 50 55 60
 Ile Ile Phe Ser Tyr Val Gln Leu Asp Pro Asp Gly Ser Cys Glu Ser
 65 70 75 80
 Glu Asn Ile Lys Val Phe Asp Gly Thr Ser Ser Asn Gly Pro Leu Leu
 85 90 95
 Gly Gln Val Cys Ser Lys Asn Asp Tyr Val Pro Val Phe Glu Ser Ser
 100 105 110
 Ser Ser Thr Leu Thr Phe Gln Ile Val Thr Asp Ser Ala Arg Ile Gln
 115 120 125
 Arg Thr Val Phe Val Phe Tyr Tyr Phe Phe Ser Pro Asn Ile Ser Ile
 130 135 140
 Pro Asn Cys Gly Gly Tyr Leu Asp Thr Leu Glu Gly Ser Phe Thr Ser
 145 150 155 160
 Pro Asn Tyr Pro Lys Pro His Pro Glu Leu Ala Tyr Cys Val Trp His

165										170					175				
Ile	Gln	Val	Glu	Lys	Asp	Tyr	Lys	Ile	Lys	Leu	Asn	Phe	Lys	Glu	Ile				
			180					185					190						
Phe	Leu	Glu	Ile	Asp	Lys	Gln	Cys	Lys	Phe	Asp	Phe	Leu	Ala	Ile	Tyr				
		195					200					205							
Asp	Gly	Pro	Ser	Thr	Asn	Ser	Gly	Leu	Ile	Gly	Gln	Val	Cys	Gly	Arg				
	210					215					220								
Val	Thr	Pro	Thr	Phe	Glu	Ser	Ser	Ser	Asn	Ser	Leu	Thr	Val	Val	Leu				
	225				230					235					240				
Ser	Thr	Asp	Tyr	Ala	Asn	Ser	Tyr	Arg	Gly	Phe	Ser	Ala	Ser	Tyr	Thr				
				245					250					255					
Ser	Ile	Tyr	Ala	Glu	Asn	Ile	Asn	Thr	Thr	Ser	Leu	Thr	Cys	Ser	Ser				
			260					265					270						
Asp	Arg	Met	Arg	Val	Ile	Ile	Ser	Lys	Ser	Tyr	Leu	Glu	Ala	Phe	Asn				
		275					280					285							
Ser	Asn	Gly	Asn	Asn	Leu	Gln	Leu	Lys	Asp	Pro	Thr	Trp	Gln	Thr	Lys				
	290					295					300								
Ile	Ile	Lys	Trp	Trp	Gly	Asn	Phe	Leu	Val	Leu	Leu	Met	Asp	Val	Val				
	305				310					315					320				

His Ser Glu Arg

<210> 97
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 97
 Cys Gly Gly Tyr Leu Asp Thr Leu Glu Gly Ser Phe Thr Ser Pro Asn
 1 5 10 15

Tyr Pro Lys Pro His Pro Glu Leu Ala Tyr Cys Val Trp
 20 25

<210> 98
 <211> 245
 <212> PRT
 <213> Homo sapiens

<400> 98
 Met Ala Glu Leu Pro Gly Pro Phe Leu Cys Gly Ala Leu Leu Gly Phe
 1 5 10 15

Leu Cys Leu Ser Gly Leu Ala Val Glu Val Lys Val Pro Thr Glu Pro
 20 25 30

Leu Ser Thr Pro Leu Gly Lys Thr Ala Glu Leu Thr Cys Thr Tyr Ser

35	40	45
Thr Ser Val Gly Asp Ser Phe Ala Leu Glu Trp Ser Phe Val Gln Pro		
50	55	60
Gly Lys Pro Ile Ser Glu Ser His Pro Ile Leu Tyr Phe Thr Asn Gly		
65	70	75
His Leu Tyr Pro Thr Gly Ser Lys Ser Lys Arg Val Ser Leu Leu Gln		
85	90	95
Asn Pro Pro Thr Val Gly Val Ala Thr Leu Lys Leu Thr Asp Val His		
100	105	110
Pro Ser Asp Thr Gly Thr Tyr Leu Cys Gln Val Asn Asn Pro Pro Asp		
115	120	125
Phe Tyr Thr Asn Gly Leu Gly Leu Ile Asn Leu Thr Val Leu Val Pro		
130	135	140
Pro Ser Asn Pro Leu Cys Ser Gln Ser Gly Gln Thr Ser Val Gly Gly		
145	150	155
Ser Thr Ala Leu Arg Cys Ser Ser Ser Glu Gly Ala Pro Lys Pro Val		
165	170	175
Tyr Asn Trp Val Arg Leu Gly Thr Phe Pro Thr Pro Ser Pro Gly Ser		
180	185	190
Met Val Gln Asp Glu Val Ser Gly Gln Leu Ile Leu Thr Asn Leu Ser		
195	200	205
Leu Thr Ser Ser Gly Thr Tyr Arg Cys Val Ala Thr Asn Gln Met Gly		
210	215	220
Ser Ala Ser Cys Glu Leu Thr Leu Ser Val Thr Glu Pro Ser Gln Gly		
225	230	235
Arg Val Ala Glu Leu		
245		

<210> 99
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 99
 Leu Phe Leu Leu Gly Tyr Ser Asp Gly Ala
 1 5 10

<210> 100
 <211> 132
 <212> PRT
 <213> Homo sapiens

<400> 100
 Leu Asn Asn Ser Pro Leu Tyr Glu Asn Thr Thr Phe Tyr Leu Ser Thr

1	5	10	15
His Gln Val Met Ala Ile Trp Val Val Phe Ile Tyr Trp Leu Leu Leu	20	25	30
Val Phe Cys Glu His Ser Cys Ile Ser Phe Arg Val Asp Val Cys Ile	35	40	45
His Phe Ser Cys Asn Lys Phe Tyr Leu Gly Val Glu Leu Leu Asp His	50	55	60
Met Ala Ala Leu Leu Thr Leu Trp Gly Thr Ala Arg Leu Leu Phe Lys	65	70	75
Val Ser Ala Pro Cys Ser Leu Ser Ser Ala Val Tyr Asp Gly Ser Val	85	90	95
Ser Ser Gln Pro His Gln Tyr Leu Phe Ser Val Cys Arg Trp Gly Leu	100	105	110
Leu Glu His His His Ile His Ser Phe Thr Tyr Tyr Leu Trp Leu Leu	115	120	125
Leu Gln Tyr Ser	130		

<210> 101
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 101
Leu Leu Asn Lys Thr Thr Phe Tyr Leu Pro Met Ala Arg Gln Val Phe
1 5 10 15
Phe Gln Leu Ser Pro Ile His Pro Val Pro Ser Asn Leu Ser Met Gly
20 25 30
Trp Asn Leu Thr Leu Gly
35

<210> 102
 <211> 88
 <212> PRT
 <213> Homo sapiens

<400> 102
Leu Leu Asn Lys Thr Thr Phe Tyr Leu Pro Met Ala Arg Gln Val Phe
1 5 10 15
Phe Gln Leu Ser Pro Ile His Pro Val Pro Ser Asn Leu Ser Met Gly
20 25 30
Trp Asn Leu Thr Leu Gly Met Thr Phe Gly Ile Val Val Asp Leu Thr
35 40 45
Pro Val Phe Val Leu Val Leu Phe Leu Pro Ala Phe Leu Phe Leu Ser

50 55 60
 Leu Pro Ser Trp Ser Leu Pro Arg Asp Pro Thr His Val Lys Tyr Gly
 65 70 75 80
 Leu Glu Asp Cys Met Asn Ala Ser
 85

<210> 103
 <211> 47
 <212> PRT
 <213> Homo sapiens

<400> 103
 Asn Ser Ala Arg Ala Ala Glu Gly Arg Gly Ser Leu Arg Thr Pro
 1 5 10 15
 Gly Phe Arg Gly Gly Gly Val Leu Tyr Trp Asp Ala Gly Ala Ala Gly
 20 25 30
 Thr Gly Ser Asn His Ala Leu Gly Ala Asn Val Glu Leu Trp Ile
 35 40 45

<210> 104
 <211> 262
 <212> PRT
 <213> Homo sapiens

<400> 104
 Asn Ser Ala Arg Ala Ala Ala Glu Gly Arg Gly Ser Leu Arg Thr Pro
 1 5 10 15
 Gly Phe Arg Gly Gly Gly Val Leu Tyr Trp Asp Ala Gly Ala Ala Gly
 20 25 30
 Thr Gly Ser Asn His Ala Leu Gly Ala Asn Val Glu Leu Trp Ile Met
 35 40 45
 Leu Leu Gln Val Val Arg Glu Gly Lys Phe Ser Gly Phe Leu Thr Ser
 50 55 60
 Cys Ser Leu Leu Leu Pro Arg Ala Ala Gln Ile Leu Ala Ala Glu Ala
 65 70 75 80
 Gly Leu Pro Ser Ser Arg Ser Phe Met Gly Phe Ala Ala Pro Phe Thr
 85 90 95
 Asn Lys Arg Lys Ala Tyr Ser Glu Arg Arg Ile Met Gly Tyr Ser Met
 100 105 110
 Gln Glu Met Tyr Glu Val Val Ser Asn Val Gln Glu Tyr Arg Glu Phe
 115 120 125
 Val Pro Trp Cys Lys Lys Ser Leu Val Val Ser Ser Arg Lys Gly His
 130 135 140
 Leu Lys Ala Gln Leu Glu Val Gly Phe Pro Pro Val Met Glu Arg Tyr

145 150 155 160
 Thr Ser Ala Val Ser Met Val Lys Pro His Met Val Lys Ala Val Cys
 165 170 175
 Thr Asp Gly Lys Leu Phe Asn His Leu Glu Thr Ile Trp Arg Phe Ser
 180 185 190
 Pro Gly Ile Pro Ala Tyr Pro Arg Thr Cys Thr Val Asp Phe Ser Ile
 195 200 205
 Ser Phe Glu Phe Arg Ser Leu Leu His Ser Gln Leu Ala Thr Met Phe
 210 215 220
 Phe Asp Glu Val Val Lys Gln Asn Val Ala Ala Phe Glu Arg Arg Ala
 225 230 235 240
 Ala Thr Lys Phe Gly Pro Glu Thr Ala Ile Pro Arg Glu Leu Met Phe
 245 250 255
 His Glu Val His Gln Thr
 260

<210> 105
 <211> 34
 <212> PRT
 <213> Homo sapiens

<400> 105
 Arg Trp Ile Phe Phe Gln Lys Cys Arg Pro Ile Leu Ile Lys Phe Val
 1 5 10 15
 Ile Asn His Trp Gly Gly Gln Ala Pro Trp Ile Arg Ser Ala Phe Gly
 20 25 30

Asp Thr

<210> 106
 <211> 345
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (290)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 106
 Arg Trp Ile Phe Phe Gln Lys Cys Arg Pro Ile Leu Ile Lys Phe Val
 1 5 10 15
 Ile Asn His Trp Gly Gly Gln Ala Pro Trp Ile Arg Ser Ala Phe Gly
 20 25 30
 Asp Thr Met Gly Val Met Ala Met Leu Met Leu Pro Leu Leu Leu Leu
 35 40 45

Gly Ile Ser Gly Leu Leu Phe Ile Tyr Gln Glu Val Ser Arg Leu Trp
 50 55 60
 Ser Lys Ser Ala Val Gln Asn Lys Val Val Val Ile Thr Asp Ala Ile
 65 70 75 80
 Ser Gly Leu Gly Lys Glu Cys Ala Arg Val Phe His Thr Gly Gly Ala
 85 90 95
 Arg Leu Val Leu Cys Gly Lys Asn Trp Glu Arg Leu Glu Asn Leu Tyr
 100 105 110
 Asp Ala Leu Ile Ser Val Ala Asp Pro Ser Lys Thr Phe Thr Pro Lys
 115 120 125
 Leu Val Leu Leu Asp Leu Ser Asp Ile Ser Cys Val Pro Asp Val Ala
 130 135 140
 Lys Glu Val Leu Asp Cys Tyr Gly Cys Val Asp Ile Leu Ile Asn Asn
 145 150 155 160
 Ala Ser Val Lys Val Lys Gly Pro Ala His Lys Ile Ser Leu Glu Leu
 165 170 175
 Asp Lys Lys Ile Met Asp Ala Asn Tyr Phe Gly Pro Ile Thr Leu Thr
 180 185 190
 Lys Ala Leu Leu Pro Asn Met Ile Ser Arg Arg Thr Gly Gln Ile Val
 195 200 205
 Leu Val Asn Asn Ile Gln Gly Lys Phe Gly Ile Pro Phe Arg Thr Thr
 210 215 220
 Tyr Ala Ala Ser Lys His Ala Ala Leu Gly Phe Phe Asp Cys Leu Arg
 225 230 235 240
 Ala Glu Val Glu Glu Tyr Asp Val Val Ile Ser Thr Val Ser Pro Thr
 245 250 255
 Phe Ile Arg Ser Tyr His Val Tyr Pro Glu Gln Gly Asn Trp Glu Ala
 260 265 270
 Ser Ile Trp Lys Phe Phe Phe Arg Lys Leu Thr Tyr Gly Val His Pro
 275 280 285
 Val Xaa Val Ala Glu Glu Val Met Arg Thr Val Arg Arg Lys Lys Gln
 290 295 300
 Glu Val Phe Met Ala Asn Pro Ile Pro Lys Ala Ala Val Tyr Val Arg
 305 310 315 320
 Thr Phe Phe Pro Glu Phe Phe Phe Ala Val Val Ala Cys Gly Val Lys
 325 330 335
 Glu Lys Leu Asn Val Pro Glu Glu Gly
 340 345

<210> 107
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 107
 Asn Ile Gln Gly Lys Phe Gly Ile Pro Phe Arg Thr Thr Tyr Ala Ala
 1 5 10 15
 Ser Lys His Ala Ala Leu Gly Phe Phe Asp Cys Leu Arg
 20 25

<210> 108
 <211> 480
 <212> PRT
 <213> Homo sapiens

<400> 108
 Asp Pro Arg Val Arg Ala Cys Leu Ser Thr Gln Arg Asp Ile Ser Ser
 1 5 10 15
 Arg Ala Ile Thr Gln Pro Gln Arg Arg Asn Pro Asn Leu Thr Phe Cys
 20 25 30
 Cys Cys Phe Ser Thr Ile Leu Trp Val Leu Asp Trp Leu Ser Gln Ala
 35 40 45
 Cys Cys Pro Ala Ala Ser Leu Pro Val Ser Phe Ser Gln Ala Val Cys
 50 55 60
 Trp Arg Ser Met Arg Arg Gly Cys Ala Val Leu Gly Ala Leu Gly Leu
 65 70 75 80
 Leu Ala Gly Ala Gly Val Gly Ser Trp Leu Leu Val Leu Tyr Leu Cys
 85 90 95
 Pro Ala Ala Ser Gln Pro Ile Ser Gly Thr Leu Gln Asp Glu Glu Ile
 100 105 110
 Thr Leu Ser Cys Ser Glu Ala Ser Ala Glu Glu Ala Leu Leu Pro Ala
 115 120 125
 Leu Pro Lys Thr Val Ser Phe Arg Ile Asn Ser Glu Asp Phe Leu Leu
 130 135 140
 Glu Ala Gln Val Arg Asp Gln Pro Arg Trp Leu Leu Val Cys His Glu
 145 150 155 160
 Gly Trp Ser Pro Ala Leu Gly Leu Gln Ile Cys Trp Ser Leu Gly His
 165 170 175
 Leu Arg Leu Thr His His Lys Gly Val Asn Leu Thr Asp Ile Lys Leu
 180 185 190
 Asn Ser Ser Gln Glu Phe Ala Gln Leu Ser Pro Arg Leu Gly Gly Phe
 195 200 205
 Leu Glu Glu Ala Trp Gln Pro Arg Asn Asn Cys Thr Ser Gly Gln Val

210	215	220
Val Ser Leu Arg Cys Ser Glu Cys Gly Ala Arg Pro Leu Ala Ser Arg 225 230 235 240		
Ile Val Gly Gly Gln Ser Val Ala Pro Gly Arg Trp Pro Trp Gln Ala 245 250 255		
Ser Val Ala Leu Gly Phe Arg His Thr Cys Gly Gly Ser Val Leu Ala 260 265 270		
Pro Arg Trp Val Val Thr Ala Ala His Cys Met His Ser Phe Arg Leu 275 280 285		
Ala Arg Leu Ser Ser Trp Arg Val His Ala Gly Leu Val Ser His Ser 290 295 300		
Ala Val Arg Pro His Gln Gly Ala Leu Val Glu Arg Ile Ile Pro His 305 310 315 320		
Pro Leu Tyr Ser Ala Gln Asn His Asp Tyr Asp Val Ala Leu Leu Arg 325 330 335		
Leu Gln Thr Ala Leu Asn Phe Ser Asp Thr Val Gly Ala Val Cys Leu 340 345 350		
Pro Ala Lys Glu Gln His Phe Pro Lys Gly Ser Arg Cys Trp Val Ser 355 360 365		
Gly Trp Gly His Thr His Pro Ser His Thr Tyr Ser Ser Asp Met Leu 370 375 380		
Gln Asp Thr Val Val Pro Leu Phe Ser Thr Gln Leu Cys Asn Ser Ser 385 390 395 400		
Cys Val Tyr Ser Gly Ala Leu Thr Pro Arg Met Leu Cys Ala Gly Tyr 405 410 415		
Leu Asp Gly Arg Ala Asp Ala Cys Gln Gly Asp Ser Gly Gly Pro Leu 420 425 430		
Val Cys Pro Asp Gly Asp Thr Trp Arg Leu Val Gly Val Val Ser Trp 435 440 445		
Gly Arg Gly Cys Ala Glu Pro Asn His Pro Gly Val Tyr Ala Lys Val 450 455 460		
Ala Glu Phe Leu Asp Trp Ile His Asp Thr Ala Gln Asp Ser Leu Leu 465 470 475 480		

<210> 109
 <211> 67
 <212> PRT
 <213> Homo sapiens

<400> 109

Asp Pro Arg Val Arg Ala Cys Leu Ser Thr Gln Arg Asp Ile Ser Ser
 1 5 10 15

Arg Ala Ile Thr Gln Pro Gln Arg Arg Asn Pro Asn Leu Thr Phe Cys
 20 25 30

Cys Cys Phe Ser Thr Ile Leu Trp Val Leu Asp Trp Leu Ser Gln Ala
 35 40 45

Cys Cys Pro Ala Ala Ser Leu Pro Val Ser Phe Ser Gln Ala Val Cys
 50 55 60

Trp Arg Ser
 65

<210> 110

<211> 30

<212> PRT

<213> Homo sapiens

<400> 110

Thr Cys Gly Gly Ser Val Leu Ala Pro Arg Trp Val Val Thr Ala Ala
 1 5 10 15

His Cys Met His Ser Phe Arg Leu Ala Arg Leu Ser Ser Trp
 20 25 30

<210> 111

<211> 30

<212> PRT

<213> Homo sapiens

<400> 111

Cys Ala Gly Tyr Leu Asp Gly Arg Ala Asp Ala Cys Gln Gly Asp Ser
 1 5 10 15

Gly Gly Pro Leu Val Cys Pro Asp Gly Asp Thr Trp Arg Leu
 20 25 30

<210> 112

<211> 72

<212> PRT

<213> Homo sapiens

<400> 112

Cys Arg Asn Ser Ala Arg Ala Phe Ser Gly Leu Ser Met Val Ala Tyr
 1 5 10 15

Ser Val Gln Val Leu Ala Val Phe Ile Ser Cys Ala Ile Leu Thr Leu
 20 25 30

Ala Met Lys Ile Ala Trp Ile Phe Gly Leu Asn Ser Val Gln Asn Ile
 35 40 45

Thr Ala Asn Leu Ser Val Asp Gly Ser Thr Ser Gly Asn Pro Ile Gln

50 55 60
 Lys Trp Lys Val Ile Trp Ser Leu
 65 70

 <210> 113
 <211> 12
 <212> PRT
 <213> Homo sapiens

 <400> 113
 Cys Arg Asn Ser Ala Arg Ala Phe Ser Gly Leu Ser
 1 5 10

 <210> 114
 <211> 351
 <212> PRT
 <213> Homo sapiens

 <400> 114
 Met Ile Thr Asp Ala Leu Thr Ala Ile Ala Leu Tyr Phe Ala Ile Gln
 1 5 10 15
 Asp Phe Asn Lys Val Val Phe Lys Lys Gln Lys Leu Leu Leu Glu Leu
 20 25 30
 Asp Gln Tyr Ala Pro Asp Val Ala Glu Leu Ile Arg Thr Pro Met Glu
 35 40 45
 Met Arg Tyr Ile Pro Leu Lys Val Ala Leu Phe Tyr Leu Leu Asn Pro
 50 55 60
 Tyr Thr Ile Leu Ser Cys Val Ala Lys Ser Thr Cys Ala Ile Asn Asn
 65 70 75 80
 Thr Leu Ile Ala Phe Phe Ile Leu Thr Thr Ile Lys Gly Ser Ala Phe
 85 90 95
 Leu Ser Ala Ile Phe Leu Ala Leu Ala Thr Tyr Gln Ser Leu Tyr Pro
 100 105 110
 Leu Thr Leu Phe Val Pro Gly Leu Leu Tyr Leu Leu Gln Arg Gln Tyr
 115 120 125
 Ile Pro Val Lys Met Lys Ser Lys Ala Phe Trp Ile Phe Ser Trp Glu
 130 135 140
 Tyr Ala Met Met Tyr Val Gly Ser Leu Val Val Ile Ile Cys Leu Ser
 145 150 155 160
 Phe Phe Leu Leu Ser Ser Trp Asp Phe Ile Pro Ala Val Tyr Gly Phe
 165 170 175
 Ile Leu Ser Val Pro Asp Leu Thr Pro Asn Ile Gly Leu Phe Trp Tyr
 180 185 190
 Phe Phe Ala Glu Met Phe Glu His Phe Ser Leu Phe Phe Val Cys Val

195					200					205					
Phe	Gln	Ile	Asn	Val	Phe	Phe	Tyr	Thr	Ile	Pro	Leu	Ala	Ile	Lys	Leu
210					215					220					
Lys	Glu	His	Pro	Ile	Phe	Phe	Met	Phe	Ile	Gln	Ile	Ala	Val	Ile	Ala
225					230					235					240
Ile	Phe	Lys	Ser	Tyr	Pro	Thr	Val	Gly	Asp	Val	Ala	Leu	Tyr	Met	Ala
				245					250					255	
Phe	Phe	Pro	Val	Trp	Asn	His	Leu	Tyr	Arg	Phe	Leu	Arg	Asn	Ile	Phe
			260					265					270		
Val	Leu	Thr	Cys	Ile	Ile	Ile	Val	Cys	Ser	Leu	Leu	Phe	Pro	Val	Leu
		275					280					285			
Trp	His	Leu	Trp	Ile	Tyr	Pro	Gly	Asn	Ala	Asn	Ser	Asn	Phe	Phe	Tyr
		290				295					300				
Ala	Ile	Thr	Leu	Thr	Phe	Asn	Val	Gly	Gln	Ile	Leu	Leu	Ile	Ser	Asp
305					310					315					320
Tyr	Phe	Tyr	Ala	Phe	Leu	Arg	Arg	Glu	Tyr	Tyr	Leu	Thr	His	Gly	Leu
				325					330					335	
Tyr	Leu	Thr	Ala	Lys	Asp	Gly	Thr	Glu	Ala	Met	Leu	Val	Leu	Lys	
			340					345					350		

<210> 115
 <211> 81
 <212> PRT
 <213> Homo sapiens

<400> 115
 Pro Thr Arg Pro Arg Ala Pro Ala Pro Val Ile Met Ala Ala Pro Leu
 1 5 10 15
 Val Leu Val Leu Val Val Ala Val Thr Val Arg Ala Ala Leu Phe Arg
 20 25 30
 Ser Ser Leu Ala Glu Phe Ile Ser Glu Arg Val Glu Val Val Ser Pro
 35 40 45
 Leu Ser Ser Trp Lys Arg Val Val Glu Gly Leu Ser Leu Leu Gly Leu
 50 55 60
 Gly Ser Ile Ser Val Phe Trp Ser Ser Ile Ser Trp Lys Leu His Ser
 65 70 75 80

Leu

<210> 116
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 116

Pro Thr Arg Pro Arg Ala Pro Ala Pro Val Ile
 1 5 10

<210> 117

<211> 322

<212> PRT

<213> Homo sapiens

<400> 117

Ile Tyr Leu Phe His Phe Leu Ile Asp Tyr Ala Glu Leu Val Phe Met
 1 5 10 15

Ile Thr Asp Ala Leu Thr Ala Ile Ala Leu Tyr Phe Ala Ile Gln Asp
 20 25 30

Phe Asn Lys Val Val Phe Lys Lys Gln Lys Leu Leu Leu Glu Leu Asp
 35 40 45

Gln Tyr Ala Pro Asp Val Ala Glu Leu Ile Arg Thr Pro Met Glu Met
 50 55 60

Arg Tyr Ile Pro Leu Lys Val Ala Leu Phe Tyr Leu Leu Asn Pro Tyr
 65 70 75 80

Thr Ile Leu Ser Cys Val Ala Lys Ser Thr Cys Ala Ile Asn Asn Thr
 85 90 95

Leu Ile Ala Phe Phe Ile Leu Thr Thr Ile Lys Gly Ser Ala Phe Leu
 100 105 110

Ser Ala Ile Phe Leu Ala Leu Ala Thr Tyr Gln Ser Leu Tyr Pro Leu
 115 120 125

Thr Leu Phe Val Pro Gly Leu Leu Tyr Leu Leu Gln Arg Gln Tyr Ile
 130 135 140

Pro Val Lys Met Lys Ser Lys Ala Phe Trp Ile Phe Ser Trp Glu Tyr
 145 150 155 160

Ala Met Met Tyr Val Gly Ser Leu Val Val Ile Ile Cys Leu Ser Phe
 165 170 175

Phe Leu Leu Ser Ser Trp Asp Phe Ile Pro Ala Val Tyr Gly Phe Ile
 180 185 190

Leu Ser Val Pro Asp Leu Thr Pro Asn Ile Gly Leu Phe Trp Tyr Phe
 195 200 205

Phe Ala Glu Met Phe Glu His Phe Ser Leu Phe Phe Val Cys Val Phe
 210 215 220

Gln Ile Asn Val Phe Phe Tyr Thr Ile Pro Leu Ala Ile Lys Leu Lys
 225 230 235 240

Glu His Pro Ile Phe Phe Met Phe Ile Gln Ile Ala Val Ile Ala Ile
 245 250 255

Phe Lys Ser Tyr Pro Thr Val Gly Asp Val Ala Leu Tyr Met Ala Phe
260 265 270

Phe Pro Val Trp Asn His Leu Tyr Arg Phe Leu Arg Asn Ile Phe Val
275 280 285

Leu Thr Cys Ile Ile Ile Val Cys Ser Leu Leu Phe Pro Val Leu Trp
290 295 300

His Leu Trp Ile Tyr Pro Gly Met Pro Thr Leu Ile Ser Phe Met Pro
305 310 315 320

Ser His

<210> 118
<211> 15
<212> PRT
<213> Homo sapiens

<400> 118
Ile Tyr Leu Phe His Phe Leu Ile Asp Tyr Ala Glu Leu Val Phe
1 5 10 15

<210> 119
<211> 307
<212> PRT
<213> Homo sapiens

<400> 119
Met Ile Thr Asp Ala Leu Thr Ala Ile Ala Leu Tyr Phe Ala Ile Gln
1 5 10 15

Asp Phe Asn Lys Val Val Phe Lys Lys Gln Lys Leu Leu Leu Glu Leu
20 25 30

Asp Gln Tyr Ala Pro Asp Val Ala Glu Leu Ile Arg Thr Pro Met Glu
35 40 45

Met Arg Tyr Ile Pro Leu Lys Val Ala Leu Phe Tyr Leu Leu Asn Pro
50 55 60

Tyr Thr Ile Leu Ser Cys Val Ala Lys Ser Thr Cys Ala Ile Asn Asn
65 70 75 80

Thr Leu Ile Ala Phe Phe Ile Leu Thr Thr Ile Lys Gly Ser Ala Phe
85 90 95

Leu Ser Ala Ile Phe Leu Ala Leu Ala Thr Tyr Gln Ser Leu Tyr Pro
100 105 110

Leu Thr Leu Phe Val Pro Gly Leu Leu Tyr Leu Leu Gln Arg Gln Tyr
115 120 125

Ile Pro Val Lys Met Lys Ser Lys Ala Phe Trp Ile Phe Ser Trp Glu
130 135 140

Tyr Ala Met Met Tyr Val Gly Ser Leu Val Val Ile Ile Cys Leu Ser
 145 150 155 160
 Phe Phe Leu Leu Ser Ser Trp Asp Phe Ile Pro Ala Val Tyr Gly Phe
 165 170 175
 Ile Leu Ser Val Pro Asp Leu Thr Pro Asn Ile Gly Leu Phe Trp Tyr
 180 185 190
 Phe Phe Ala Glu Met Phe Glu His Phe Ser Leu Phe Phe Val Cys Val
 195 200 205
 Phe Gln Ile Asn Val Phe Phe Tyr Thr Ile Pro Leu Ala Ile Lys Leu
 210 215 220
 Lys Glu His Pro Ile Phe Phe Met Phe Ile Gln Ile Ala Val Ile Ala
 225 230 235 240
 Ile Phe Lys Ser Tyr Pro Thr Val Gly Asp Val Ala Leu Tyr Met Ala
 245 250 255
 Phe Phe Pro Val Trp Asn His Leu Tyr Arg Phe Leu Arg Asn Ile Phe
 260 265 270
 Val Leu Thr Cys Ile Ile Ile Val Cys Ser Leu Leu Phe Pro Val Leu
 275 280 285
 Trp His Leu Trp Ile Tyr Pro Gly Met Pro Thr Leu Ile Ser Phe Met
 290 295 300
 Pro Ser His
 305

<210> 120
 <211> 35
 <212> PRT
 <213> Homo sapiens

<400> 120
 Met Ile Thr Asp Ala Leu Thr Ala Ile Ala Leu Tyr Phe Ala Ile Gln
 1 5 10 15
 Asp Phe Asn Lys Val Val Phe Lys Lys Gln Lys Leu Leu Leu Glu Leu
 20 25 30
 Asp Gln Tyr
 35

<210> 121
 <211> 35
 <212> PRT
 <213> Homo sapiens

<400> 121
 Ala Pro Asp Val Ala Glu Leu Ile Arg Thr Pro Met Glu Met Arg Tyr
 1 5 10 15

Ile Pro Leu Lys Val Ala Leu Phe Tyr Leu Leu Asn Pro Tyr Thr Ile
 20 25 30

Leu Ser Cys
 35

<210> 122
 <211> 35
 <212> PRT
 <213> Homo sapiens

<400> 122
 Val Ala Lys Ser Thr Cys Ala Ile Asn Asn Thr Leu Ile Ala Phe Phe
 1 5 10 15

Ile Leu Thr Thr Ile Lys Gly Ser Ala Phe Leu Ser Ala Ile Phe Leu
 20 25 30

Ala Leu Ala
 35

<210> 123
 <211> 35
 <212> PRT
 <213> Homo sapiens

<400> 123
 Thr Tyr Gln Ser Leu Tyr Pro Leu Thr Leu Phe Val Pro Gly Leu Leu
 1 5 10 15

Tyr Leu Leu Gln Arg Gln Tyr Ile Pro Val Lys Met Lys Ser Lys Ala
 20 25 30

Phe Trp Ile
 35

<210> 124
 <211> 35
 <212> PRT
 <213> Homo sapiens

<400> 124
 Phe Ser Trp Glu Tyr Ala Met Met Tyr Val Gly Ser Leu Val Val Ile
 1 5 10 15

Ile Cys Leu Ser Phe Phe Leu Leu Ser Ser Trp Asp Phe Ile Pro Ala
 20 25 30

Val Tyr Gly
 35

<210> 125
 <211> 35
 <212> PRT

<213> Homo sapiens

<400> 125

Phe Ile Leu Ser Val Pro Asp Leu Thr Pro Asn Ile Gly Leu Phe Trp
 1 5 10 15
 Tyr Phe Phe Ala Glu Met Phe Glu His Phe Ser Leu Phe Phe Val Cys
 20 25 30
 Val Phe Gln
 35

<210> 126

<211> 35

<212> PRT

<213> Homo sapiens

<400> 126

Ile Asn Val Phe Phe Tyr Thr Ile Pro Leu Ala Ile Lys Leu Lys Glu
 1 5 10 15
 His Pro Ile Phe Phe Met Phe Ile Gln Ile Ala Val Ile Ala Ile Phe
 20 25 30
 Lys Ser Tyr
 35

<210> 127

<211> 35

<212> PRT

<213> Homo sapiens

<400> 127

Pro Thr Val Gly Asp Val Ala Leu Tyr Met Ala Phe Phe Pro Val Trp
 1 5 10 15
 Asn His Leu Tyr Arg Phe Leu Arg Asn Ile Phe Val Leu Thr Cys Ile
 20 25 30
 Ile Ile Val
 35

<210> 128

<211> 27

<212> PRT

<213> Homo sapiens

<400> 128

Cys Ser Leu Leu Phe Pro Val Leu Trp His Leu Trp Ile Tyr Pro Gly
 1 5 10 15
 Met Pro Thr Leu Ile Ser Phe Met Pro Ser His
 20 25

<210> 129

<211> 391
 <212> PRT
 <213> Homo sapiens

<220>

<221> SITE

<222> (180)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 129

Glu Pro Thr Arg Gly Ser Ala Met Ala Glu Gln Thr Tyr Ser Trp Ala
 1 5 10 15

Tyr Ser Leu Val Asp Ser Ser Gln Val Ser Thr Phe Leu Ile Ser Ile
 20 25 30

Leu Leu Ile Val Tyr Gly Ser Phe Arg Ser Leu Asn Met Asp Phe Glu
 35 40 45

Asn Gln Asp Lys Glu Lys Asp Ser Asn Ser Ser Ser Gly Ser Phe Asn
 50 55 60

Gly Asn Ser Thr Asn Asn Ser Ile Gln Thr Ile Asp Ser Thr Gln Ala
 65 70 75 80

Leu Phe Leu Pro Ile Gly Ala Ser Val Ser Leu Leu Val Met Phe Phe
 85 90 95

Phe Phe Asp Ser Val Gln Val Val Phe Thr Ile Cys Thr Ala Val Leu
 100 105 110

Ala Thr Ile Ala Phe Ala Phe Leu Leu Leu Pro Met Cys Gln Tyr Leu
 115 120 125

Thr Arg Pro Cys Ser Pro Gln Asn Lys Ile Ser Phe Gly Cys Cys Gly
 130 135 140

Arg Phe Thr Ala Ala Glu Leu Leu Ser Phe Ser Leu Ser Val Met Leu
 145 150 155 160

Val Leu Ile Trp Val Leu Thr Gly His Trp Leu Leu Met Asp Ala Leu
 165 170 175

Ala Met Gly Xaa Cys Val Ala Met Ile Ala Phe Val Arg Leu Pro Ser
 180 185 190

Leu Lys Val Ser Cys Leu Leu Leu Ser Gly Leu Leu Ile Tyr Asp Val
 195 200 205

Phe Trp Val Phe Phe Ser Ala Tyr Ile Phe Asn Ser Asn Val Met Val
 210 215 220

Lys Val Ala Thr Gln Pro Ala Asp Asn Pro Leu Asp Val Leu Ser Arg
 225 230 235 240

Lys Leu His Leu Gly Pro Asn Val Gly Arg Asp Val Pro Arg Leu Ser
 245 250 255

Leu Pro Gly Lys Leu Val Phe Pro Ser Ser Thr Gly Ser His Phe Ser

260					265					270					
Met	Leu	Gly	Ile	Gly	Asp	Ile	Val	Met	Pro	Gly	Leu	Leu	Leu	Cys	Phe
		275					280					285			
Val	Leu	Arg	Tyr	Asp	Asn	Tyr	Lys	Lys	Gln	Ala	Ser	Gly	Asp	Ser	Cys
	290					295					300				
Gly	Ala	Pro	Gly	Pro	Ala	Asn	Ile	Ser	Gly	Arg	Met	Gln	Lys	Val	Ser
305					310					315					320
Tyr	Phe	His	Cys	Thr	Leu	Ile	Gly	Tyr	Phe	Val	Gly	Leu	Leu	Thr	Ala
				325					330						335
Thr	Val	Ala	Ser	Arg	Ile	His	Arg	Ala	Ala	Gln	Pro	Ala	Leu	Leu	Tyr
		340						345					350		
Leu	Val	Pro	Phe	Thr	Leu	Leu	Pro	Leu	Leu	Thr	Met	Ala	Tyr	Leu	Lys
		355					360					365			
Gly	Asp	Leu	Arg	Arg	Met	Trp	Ser	Glu	Pro	Phe	His	Ser	Lys	Ser	Ser
	370					375					380				
Ser	Ser	Arg	Phe	Leu	Glu	Val									
385					390										

<210> 130
 <211> 93
 <212> PRT
 <213> Homo sapiens

<400> 130															
Glu	Pro	Thr	Arg	Gly	Ser	Ala	Met	Ala	Glu	Gln	Thr	Tyr	Ser	Trp	Ala
1				5					10					15	
Tyr	Ser	Leu	Val	Asp	Ser	Ser	Gln	Val	Ser	Thr	Phe	Leu	Ile	Ser	Ile
			20					25					30		
Leu	Leu	Ile	Val	Tyr	Gly	Ser	Phe	Arg	Ser	Leu	Asn	Met	Asp	Phe	Glu
		35					40					45			
Asn	Gln	Asp	Lys	Glu	Lys	Asp	Ser	Asn	Ser	Ser	Ser	Gly	Ser	Phe	Asn
	50					55					60				
Gly	Asn	Ser	Thr	Asn	Asn	Ser	Ile	Gln	Thr	Ile	Asp	Ser	Thr	Gln	Ala
65					70					75					80
Leu	Phe	Leu	Pro	Ile	Gly	Ala	Ser	Val	Ser	Leu	Leu	Val			
				85					90						

<210> 131
 <211> 323
 <212> PRT
 <213> Homo sapiens

<400> 131
 Met Gly Asn Ser Ala Ser Arg Asn Asp Phe Glu Trp Val Tyr Thr Asp

1	5	10	15
Gln Pro His Thr	Gln Arg Arg Ala Arg	Pro Pro Ala Lys Tyr	Pro Ala
20	25	30	
Ile Lys Ala Leu Met Arg Pro Asp	Pro Arg Leu Lys Trp	Ala Val Leu	
35	40	45	
Val Leu Val Leu Val Gln Met Leu Ala Cys Trp	Leu Val Arg Gly Leu		
50	55	60	
Ala Trp Arg Trp Leu Leu Phe Trp Ala Tyr Ala Phe Gly Gly Cys Val			
65	70	75	80
Asn His Ser Leu Thr Leu Ala Ile His Asp Ile Ser His Asn Ala Ala			
85	90	95	
Phe Gly Thr Gly Arg Ala Ala Arg Asn Arg Trp Leu Ala Val Phe Ala			
100	105	110	
Asn Leu Pro Val Gly Val Pro Tyr Ala Ala Ser Phe Lys Lys Tyr His			
115	120	125	
Val Asp His His Arg Tyr Leu Gly Gly Asp Gly Leu Asp Val Asp Val			
130	135	140	
Pro Thr Arg Leu Glu Gly Trp Phe Phe Cys Thr Pro Ala Arg Lys Leu			
145	150	155	160
Leu Trp Leu Val Leu Gln Pro Phe Phe Tyr Ser Leu Arg Pro Leu Cys			
165	170	175	
Val His Pro Lys Ala Val Thr Arg Met Glu Val Leu Asn Thr Leu Val			
180	185	190	
Gln Leu Ala Ala Asp Leu Ala Ile Phe Ala Leu Trp Gly Leu Lys Pro			
195	200	205	
Val Val Tyr Leu Leu Ala Ser Ser Phe Leu Gly Leu Gly Leu His Pro			
210	215	220	
Ile Ser Gly His Phe Val Ala Glu His Tyr Met Phe Leu Lys Gly His			
225	230	235	240
Glu Thr Tyr Ser Tyr Tyr Gly Pro Leu Asn Trp Ile Thr Phe Asn Val			
245	250	255	
Gly Tyr His Val Glu His His Asp Phe Pro Ser Ile Pro Gly Tyr Asn			
260	265	270	
Leu Pro Leu Val Arg Lys Ile Ala Pro Glu Tyr Tyr Asp His Leu Pro			
275	280	285	
Gln His His Ser Trp Val Lys Val Leu Trp Asp Phe Val Phe Glu Asp			
290	295	300	
Ser Leu Gly Pro Tyr Ala Arg Val Lys Arg Val Tyr Arg Leu Ala Lys			
305	310	315	320

Asp Gly Leu

<210> 132

<211> 350

<212> PRT

<213> Homo sapiens

<400> 132

Leu Gln Val Pro Val Arg Asn Ser Arg Val Asp Pro Arg Val Arg Ala
1 5 10 15

Val Arg Ala Pro Asn Gly Ala Ser Arg Pro Thr Met Gly Asn Ser Ala
20 25 30

Ser Arg Asn Asp Phe Glu Trp Val Tyr Thr Asp Gln Pro His Thr Gln
35 40 45

Arg Arg Ala Arg Pro Pro Ala Lys Tyr Pro Ala Ile Lys Ala Leu Met
50 55 60

Arg Pro Asp Pro Arg Leu Lys Trp Ala Val Leu Val Leu Val Leu Val
65 70 75 80

Gln Met Leu Ala Cys Trp Leu Val Arg Gly Leu Ala Trp Arg Trp Leu
85 90 95

Leu Phe Trp Ala Tyr Ala Phe Gly Gly Cys Val Asn His Ser Leu Thr
100 105 110

Leu Ala Ile His Asp Ile Ser His Asn Ala Ala Phe Gly Thr Gly Arg
115 120 125

Ala Ala Arg Asn Arg Trp Leu Ala Val Phe Ala Asn Leu Pro Val Gly
130 135 140

Val Pro Tyr Ala Ala Ser Phe Lys Lys Tyr His Val Asp His His Arg
145 150 155 160

Tyr Leu Gly Gly Asp Gly Leu Asp Val Asp Val Pro Thr Arg Leu Glu
165 170 175

Gly Trp Phe Phe Cys Thr Pro Ala Arg Lys Leu Leu Trp Leu Val Leu
180 185 190

Gln Pro Phe Phe Tyr Ser Leu Arg Pro Leu Cys Val His Pro Lys Ala
195 200 205

Val Thr Arg Met Glu Val Leu Asn Thr Leu Val Gln Leu Ala Ala Asp
210 215 220

Leu Ala Ile Phe Ala Leu Trp Gly Leu Lys Pro Val Val Tyr Leu Leu
225 230 235 240

Ala Ser Ser Phe Leu Gly Leu Gly Leu His Pro Ile Ser Gly His Phe
245 250 255

Val Ala Glu His Tyr Met Phe Leu Lys Gly His Glu Thr Tyr Ser Tyr

260	265	270
Tyr Gly Pro Leu Asn Trp Ile Thr Phe Asn Val Gly Tyr His Val Glu		
275	280	285
His His Asp Phe Pro Ser Ile Pro Gly Tyr Asn Leu Pro Leu Val Arg		
290	295	300
Lys Ile Ala Pro Glu Tyr Tyr Asp His Leu Pro Gln His His Ser Trp		
305	310	315
Val Lys Val Leu Trp Asp Phe Val Phe Glu Asp Ser Leu Gly Pro Tyr		
325	330	335
Ala Arg Val Lys Arg Val Tyr Arg Leu Ala Lys Asp Gly Leu		
340	345	350

<210> 133
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 133
 Leu Gln Val Pro Val Arg Asn Ser Arg Val Asp Pro Arg Val Arg Ala
 1 5 10 15
 Val Arg Ala Pro Asn Gly Ala Ser Arg Pro Thr
 20 25

<210> 134
 <211> 80
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (60)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 134
 Gly Phe Ser Phe Ser Thr Ser Leu Pro Thr Leu Val Ile Phe Trp Val
 1 5 10 15
 Phe Leu Ile Ile Ala Phe Leu Met Asp Met Lys Trp Phe Leu Ile Val
 20 25 30
 Val Leu Ile Cys Ile Pro Leu Met Thr Ser Asp Ile Glu His Leu Phe
 35 40 45
 Met Cys Leu Leu Pro Phe His Val Ser Ser Leu Xaa Lys Cys Leu Phe
 50 55 60
 Lys Ser Phe Ala His Phe Ser Val Gly Leu Tyr Phe Val Val Glu Phe
 65 70 75 80

<210> 135
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 135
 Gly Phe Ser Phe Ser Thr Ser Leu Pro Thr Leu Val Ile Phe Trp Val
 1 5 10 15
 Phe Leu Ile Ile Ala Phe Leu
 20

<210> 136
 <211> 78
 <212> PRT
 <213> Homo sapiens

<400> 136
 Arg Gln Leu Pro Glu Cys Pro Pro Ser Cys Ala Val Ser Cys Trp His
 1 5 10 15
 Trp Asp Glu Asp Met Ala Leu Val Trp Leu Cys Phe Leu Asn Ser Val
 20 25 30
 Glu Gly Phe Gly Val Ser Arg Ala Pro Pro Leu Ser Pro Pro Leu Glu
 35 40 45
 Glu Asn Ala Gln Asp Ser Gly Ala Ser Phe Arg Tyr Arg Lys Thr Lys
 50 55 60
 Ile Ala Leu Phe Trp Thr Gln Phe Ser Val Thr Ser Ser Leu
 65 70 75

<210> 137
 <211> 20
 <212> PRT
 <213> Homo sapiens

<400> 137
 Arg Gln Leu Pro Glu Cys Pro Pro Ser Cys Ala Val Ser Cys Trp His
 1 5 10 15
 Trp Asp Glu Asp
 20

<210> 138
 <211> 279
 <212> PRT
 <213> Homo sapiens

<400> 138
 His Glu Val Gly Ser Ser Ser Gly Leu Leu Pro Leu Leu Leu Leu
 1 5 10 15

Leu Leu Pro Leu Leu Ala Ala Gln Gly Gly Gly Gly Leu Gln Ala Ala
 20 25 30
 Leu Leu Ala Leu Glu Val Gly Leu Val Gly Leu Gly Ala Ser Tyr Leu
 35 40 45
 Leu Leu Cys Thr Ala Leu His Leu Pro Ser Ser Leu Phe Leu Leu Leu
 50 55 60
 Ala Gln Gly Thr Ala Leu Gly Ala Val Leu Gly Leu Ser Trp Arg Arg
 65 70 75 80
 Gly Leu Met Gly Val Pro Leu Gly Leu Gly Ala Ala Trp Leu Leu Ala
 85 90 95
 Trp Pro Gly Leu Ala Leu Pro Leu Val Ala Met Ala Ala Gly Gly Arg
 100 105 110
 Trp Val Arg Gln Gln Gly Pro Arg Val Arg Arg Gly Ile Ser Arg Leu
 115 120 125
 Trp Leu Arg Val Leu Leu Arg Leu Ser Pro Met Ala Phe Arg Ala Leu
 130 135 140
 Gln Gly Cys Gly Ala Val Gly Asp Arg Gly Leu Phe Ala Leu Tyr Pro
 145 150 155 160
 Lys Thr Asn Lys Asp Gly Phe Arg Ser Arg Leu Pro Val Pro Gly Pro
 165 170 175
 Arg Arg Arg Asn Pro Arg Thr Thr Gln His Pro Leu Ala Leu Leu Ala
 180 185 190
 Arg Val Trp Val Leu Cys Lys Gly Trp Asn Trp Arg Leu Ala Arg Ala
 195 200 205
 Ser Gln Gly Leu Ala Ser His Leu Pro Pro Trp Ala Ile His Thr Leu
 210 215 220
 Ala Ser Trp Gly Leu Leu Arg Gly Glu Arg Pro Thr Arg Ile Pro Arg
 225 230 235 240
 Leu Leu Pro Arg Ser Gln Arg Gln Leu Gly Pro Pro Ala Ser Arg Gln
 245 250 255
 Pro Leu Pro Gly Thr Leu Ala Gly Arg Arg Ser Arg Thr Arg Gln Ser
 260 265 270
 Arg Ala Leu Pro Pro Trp Arg
 275

<210> 139
 <211> 166
 <212> PRT
 <213> Homo sapiens

<400> 139
 Met Gly Val Pro Leu Gly Leu Gly Ala Ala Trp Leu Leu Ala Trp Pro

1	5	10	15
Gly Leu Ala Leu Pro Leu Val Ala Met Ala Ala Gly Gly Arg Trp Val	20	25	30
Arg Gln Gln Gly Pro Arg Val Arg Arg Gly Ile Ser Arg Leu Trp Leu	35	40	45
Arg Val Leu Leu Arg Leu Ser Pro Met Ala Phe Arg Ala Leu Gln Gly	50	55	60
Cys Gly Ala Val Gly Asp Arg Gly Leu Phe Ala Leu Tyr Pro Lys Thr	65	70	75
Asn Lys Asp Gly Phe Arg Ser Arg Leu Pro Val Pro Gly Pro Arg Arg	85	90	95
Arg Asn Pro Arg Thr Thr Gln His Pro Leu Ala Leu Leu Ala Arg Val	100	105	110
Trp Val Leu Cys Lys Gly Trp Asn Trp Arg Leu Ala Arg Ala Ser Gln	115	120	125
Gly Leu Ala Ser His Leu Pro Pro Trp Ala Ile His Thr Leu Ala Ser	130	135	140
Trp Gly Leu Leu Arg Gly Glu Arg Pro Pro Glu Ser Pro Gly Tyr Tyr	145	150	155
His Ala Ala Ser Ala Ser	165		

<210> 140
 <211> 225
 <212> PRT
 <213> Homo sapiens

<400> 140
Gln Gly Gly Gly Gly Leu Gln Ala Ala Leu Leu Ala Leu Glu Val Gly
1 5 10 15
Leu Val Gly Leu Gly Ala Ser Tyr Leu Leu Cys Thr Ala Leu His
20 25 30
Leu Pro Ser Ser Leu Phe Leu Leu Leu Ala Gln Gly Thr Ala Leu Gly
35 40 45
Ala Val Leu Gly Leu Ser Trp Arg Arg Gly Leu Met Gly Val Pro Leu
50 55 60
Gly Leu Gly Ala Ala Trp Leu Leu Ala Trp Pro Gly Leu Ala Leu Pro
65 70 75 80
Leu Val Ala Met Ala Ala Gly Gly Arg Trp Val Arg Gln Gln Gly Pro
85 90 95
Arg Val Arg Arg Gly Ile Ser Arg Leu Trp Leu Arg Val Leu Leu Arg
100 105 110

Leu Ser Pro Met Ala Phe Arg Ala Leu Gln Gly Cys Gly Ala Val Gly
 115 120 125
 Asp Arg Gly Leu Phe Ala Leu Tyr Pro Lys Thr Asn Lys Asp Gly Phe
 130 135 140
 Arg Ser Arg Leu Pro Val Pro Gly Pro Arg Arg Arg Asn Pro Arg Thr
 145 150 155 160
 Thr Gln His Pro Leu Ala Leu Leu Ala Arg Val Trp Val Leu Cys Lys
 165 170 175
 Gly Trp Asn Trp Arg Leu Ala Arg Ala Ser Gln Gly Leu Ala Ser His
 180 185 190
 Leu Pro Pro Trp Ala Ile His Thr Leu Ala Ser Trp Gly Leu Leu Arg
 195 200 205
 Gly Glu Arg Pro Pro Glu Ser Pro Gly Tyr Tyr His Ala Ala Ser Ala
 210 215 220
 Ser
 225